PRELIMINARY REPORT OF 070321

last update on Wed Mar 21 17:51:12 GMT 2007

Due to an ASAR test acquisition campaign, the daily analysis on WVS products
will be based on IS4 instead of IS2 during the following periods:

From orbit 25621 (23-Jan-2007) to 25720 (30-Jan-2007) in HH polarization
From orbit 26122 (27-Feb-2007) to 26221 (06-Mar-2007) in HH polarization
From orbit 25721 (30-Jan-2007) to 25820 (06-Feb-2007) in VV polarization
From orbit 26222 (06-Mar-2007) to 26321 (13-Mar-2007) in VV polarization

1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P),
which are the available few hours after the acquisition, on the browse (BP) products and
on the Module Stepping (MS) product.

2 - Summary

2.1 - Instrument Unavailability

No unavailabilities during the reported period.

2.2 - Auxiliary files

Summary of the auxiliary files used from 2007-03-20 00:00:00 to 2007-03-21 17:51:12

PDHS-K					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	46	54	15	3	35
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	46	54	15	3	35
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	46	54	15	3	35
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	46	54	15	3	35

PDHS-E					
AUXILIARY FILE	**WVS**	**GM1**	**IMM**	**APM**	**WSM**
ASA_CON_AXVIEC20070222_190441_20070204_165113_20071231_000000	31	40	36	9	34
ASA_INS_AXVIEC20070306_164819_20070307_060000_20071231_000000	44	55	42	11	44
ASA_XCA_AXVIEC20070222_185842_20070204_165113_20071231_000000	44	55	42	11	44
ASA_CON_AXVIEC20070320_170948_20070321_003000_20070321_050000	13	15	6	2	10
ASA_XCH_AXVIEC20051219_162547_20020301_000000_20081231_000000	44	55	42	11	44

2.3 - Browse Visual Inspection

No anomalies observed on available browse products

2.4 - Data Analysis

-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

3 - Module Stepping Mode

No anomalies observed on available MS products:

Polarisation	Start Time
V	20070321 073835
H	20070320 081012

MSM in V/V polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference

MSM in H/H polarisation

Pre-launch Reference	DDS-B (2003-06-12) reference

4 - Internal calibration Results

No anomalies observed.

4.1 - Daily statistics

4.1.1 - Evolution for WVS

Evolution of cal pulses for WVS

4.1.2 - Evolution for GM1

Evolution of cal pulses for GM1

4.2 - Cyclic statistics

4.2.1 - Evolution for WVS

Evolution of cal pulses for WVS


P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-15.126636	0.120861	-0.046456
7	P1a	-17.477060	0.104140	-0.134170
11	P1a	-17.255287	0.341394	0.134796
15	P1a	-12.901588	0.086213	-0.069997
19	P1a	-15.157360	0.076102	-0.027598
22	P1a	-15.433057	0.661772	-0.203130
26	P1a	-15.045666	0.649201	-0.038732
30	P1a	-17.371626	0.349314	-0.112471

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1	-5.744349	0.009895	-0.033169
7	P1	-3.135054	0.008294	-0.006557
11	P1	-4.163636	0.015479	-0.028282
15	P1	-6.380379	0.015811	0.003645
19	P1	-3.773839	0.007859	-0.027843
22	P1	-4.659622	0.074025	-0.025836
26	P1	-3.914011	0.059030	0.042092
30	P1	-5.894201	0.115836	-0.003080

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-22.647375	0.092044	0.072836
7	P2	-21.607096	0.080958	0.041691
11	P2	-15.521367	0.098209	0.084462
15	P2	-7.077193	0.092891	-0.040359

19	P2	-9.107016	0.081526	-0.003068
22	P2	-18.098732	0.074459	0.034816
26	P2	-16.556795	0.085155	-0.064545
30	P2	-19.333166	0.078111	0.076799

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.235002	0.006404	0.010101
7	P3	-8.235002	0.006404	0.010101
11	P3	-8.235002	0.006404	0.010101
15	P3	-8.235002	0.006404	0.010101
19	P3	-8.235002	0.006404	0.010101
22	P3	-8.235002	0.006404	0.010101
26	P3	-8.234976	0.006403	0.010211
30	P3	-8.234976	0.006403	0.010211

4.2.2 - Evolution for GM1

Evolution of cal pulses for GM1

P1a Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P1a	-11.088105	0.054745	-0.084725
7	P1a	-10.069818	0.155044	-0.004649
11	P1a	-10.680065	0.068546	-0.050541
15	P1a	-10.948852	0.143174	0.098154
19	P1a	-15.706008	0.071585	-0.169858
22	P1a	-20.854433	1.574944	0.361074
26	P1a	-15.236069	0.309062	0.064240
30	P1a	-18.360432	0.810199	0.263915

P1\t Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)

3	P1	-8.406893	0.046131	-0.045449
7	P1	-2.426003	0.028315	-0.010294
11	P1	-2.922943	0.021029	0.007911
15	P1	-3.849017	0.042571	-0.024059
19	P1	-3.560327	0.010991	-0.047273
22	P1	-5.032689	0.035480	0.079340
26	P1	-5.943564	0.059330	0.036981
30	P1	-5.270115	0.032401	-0.001252

P2 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P2	-18.102808	0.035638	-0.028055
7	P2	-21.954086	0.058284	-0.028078
11	P2	-10.640885	0.031981	-0.003622
15	P2	-4.826959	0.029820	-0.011388
19	P2	-6.812450	0.031939	-0.013959
22	P2	-8.078129	0.034268	-0.003484
26	P2	-24.290514	0.040201	0.043904
30	P2	-21.720423	0.042128	0.076037

P3 Cyclic statistics

row	pulse	mean (dB)	stdev (dB)	slope(dB/cycle)
3	P3	-8.059994	0.003743	0.000447
7	P3	-8.059862	0.003733	0.000645
11	P3	-8.059941	0.003733	0.000295
15	P3	-8.060042	0.003742	0.000730
19	P3	-8.059927	0.003745	0.001998
22	P3	-8.059964	0.003738	0.000431
26	P3	-8.059717	0.003721	0.001373
30	P3	-8.059912	0.003739	-0.000013

4.3 - cal pulses monitoring (all rows)

4.3.1 - Evolution for WVS

4.3.2 - Evolution for GM1

5 - RAW data statistics

No anomalies observed.

5.1 - Input mean I/Q

channel	stat	DSS-B
MEAN I	mean	0.000665579
	stdev	2.89247e-07
MEAN Q	mean	0.000295084
	stdev	2.81055e-07

5.2 - Input stdev I/Q

channel	stat	DSS-B
STDEV I	mean	0.0915412
	stdev	0.00226389
STDEV Q	mean	0.0913640
	stdev	0.00231983

5.3 - Gain imbalance I/Q

6 - Telemetry analysis

Summary of analysis for the last 3 days 2007032[901]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

Filename	num_gaps	num_missing_lines

ASA_IMM_1PNPDE20070320_114001_000002562056_00309_26415_9412.N1	1	52
ASA_IMM_1PNPDK20070320_131732_000000812056_00310_26416_7792.N1	0	5
ASA_IMM_1PNPDK20070320_135505_000000602056_00311_26417_7788.N1	0	24
ASA_IMM_1PNPDK20070320_135505_000000792056_00311_26417_7798.N1	0	24
ASA_WSM_1PNPDE20070320_010734_000000852056_00303_26409_8706.N1	0	32
ASA_WSM_1PNPDE20070321_003657_000001402056_00317_26423_0187.N1	0	31
ASA_WSM_1PNPDK20070320_123133_000003062056_00310_26416_7660.N1	0	17
ASA_WSM_1PNPDK20070320_135308_000000852056_00311_26417_7800.N1	0	21
ASA_WSM_1PNPDK20070321_102446_000003002056_00323_26429_8662.N1	0	2
ASA_WSM_1PNPDK20070321_124220_000001332056_00324_26430_8919.N1	0	1
ASA_APM_1PNPDE20070320_021347_000000402056_00304_26410_8728.N1	14	0
ASA_APM_1PNPDK20070320_084923_000000402056_00308_26414_7265.N1	15	257

7 - Doppler Analysis

Preliminary report.The data is not yet controled

7.1 - Unbiased Doppler Error for WVS

Evolution of unbiased Doppler error (Real - Expected)
Acsending
Descending

7.2 - Absolute Doppler for WVS

Evolution of Absolute Doppler
Acsending
Descending

7.3 - Doppler evolution versus ANX for WVS

Evolution Doppler error versus ANX


7.4 - Unbiased Doppler Error for GM1

Evolution of unbiased Doppler error (Real - Expected)

Acsending

Descending

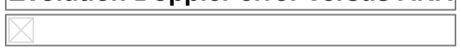
7.5 - Absolute Doppler for GM1

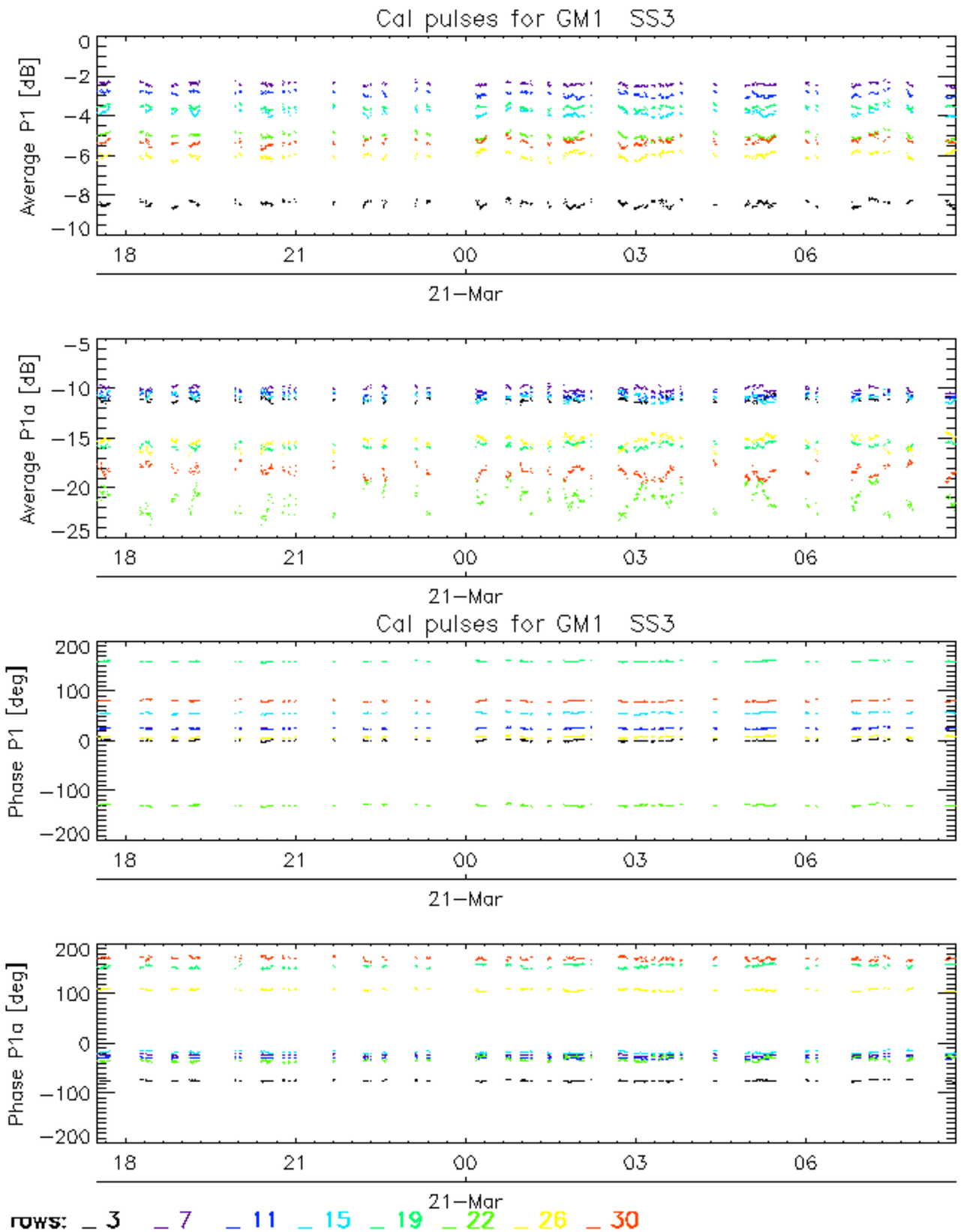
Evolution of Absolute Doppler

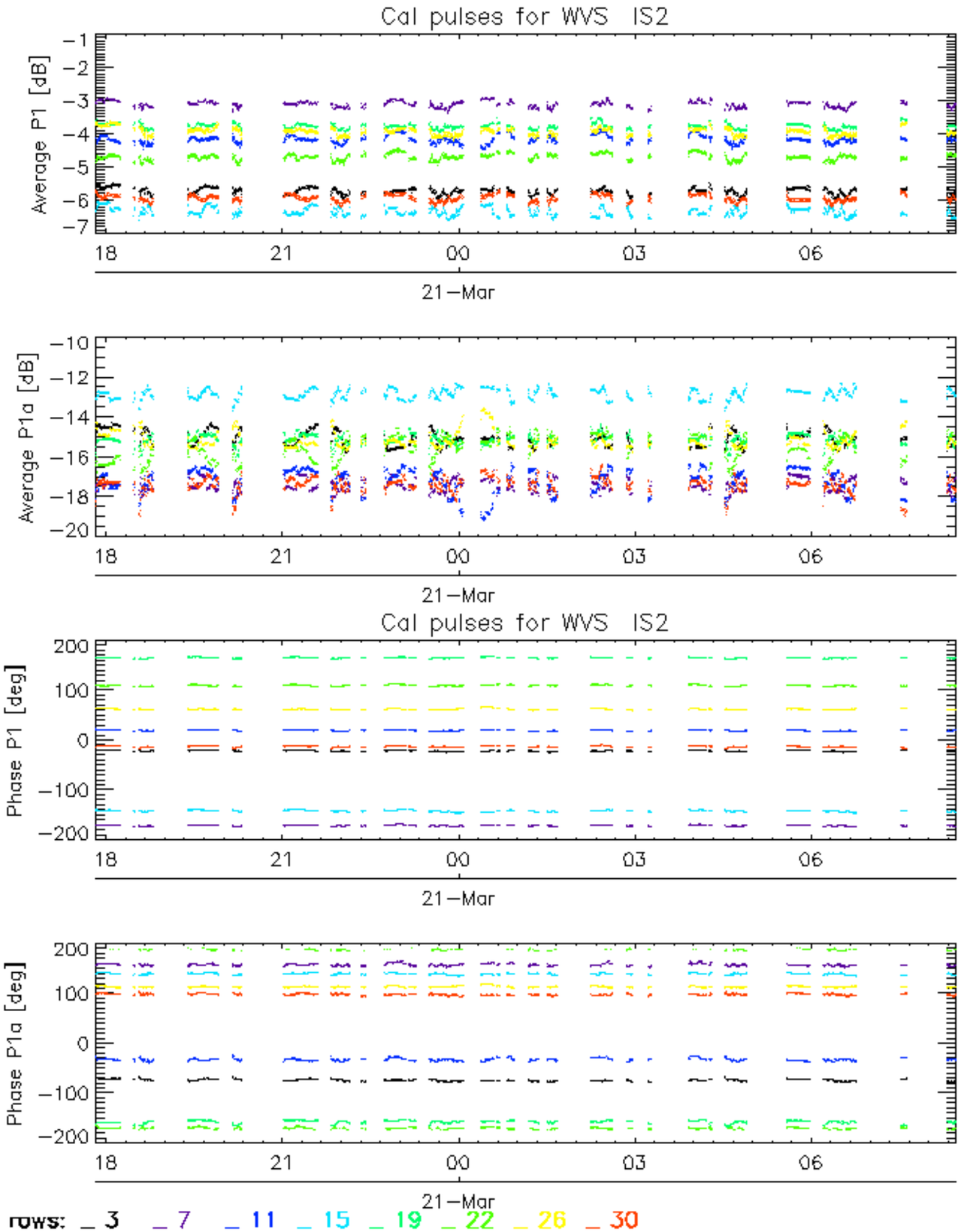
Acsending

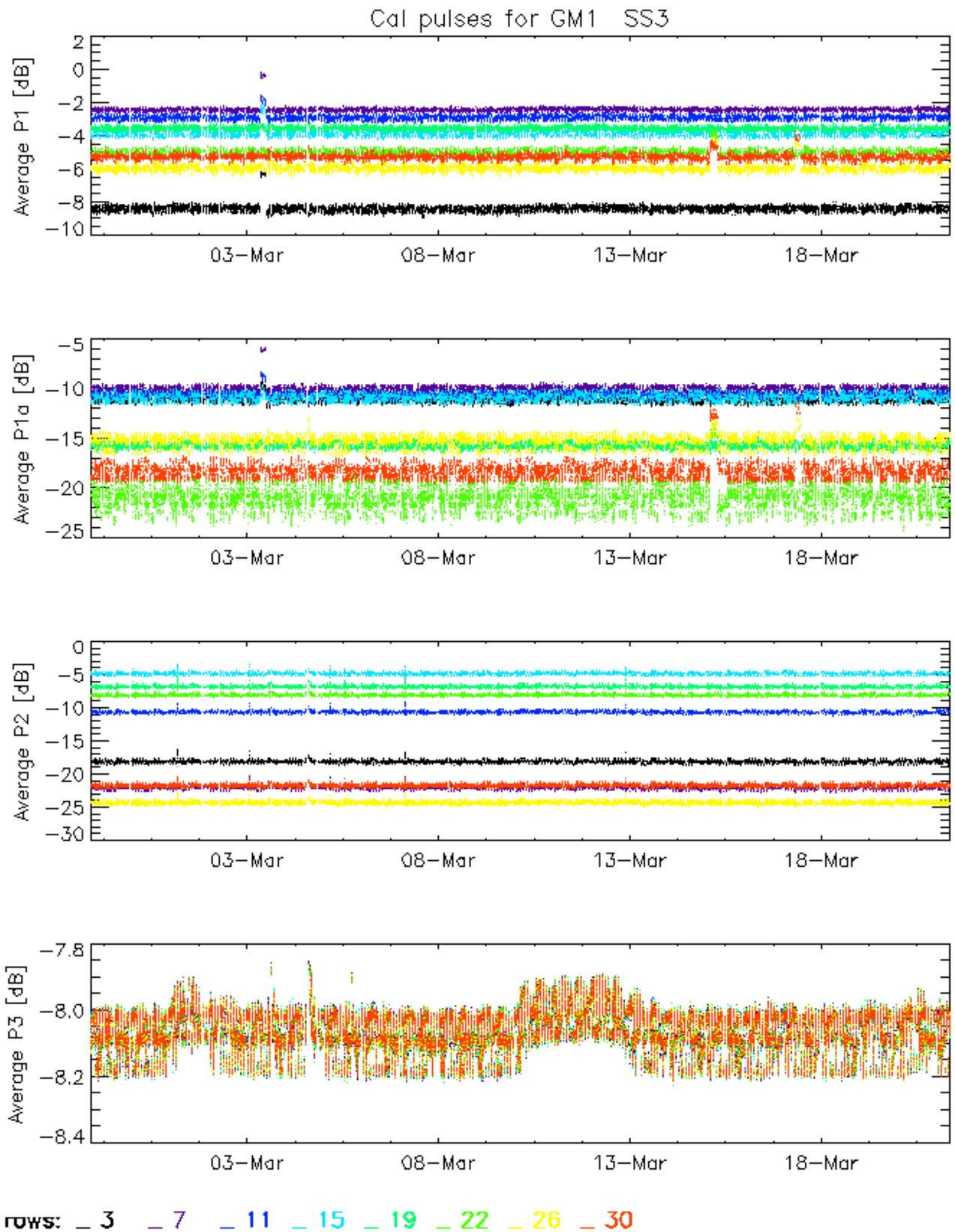
Descending

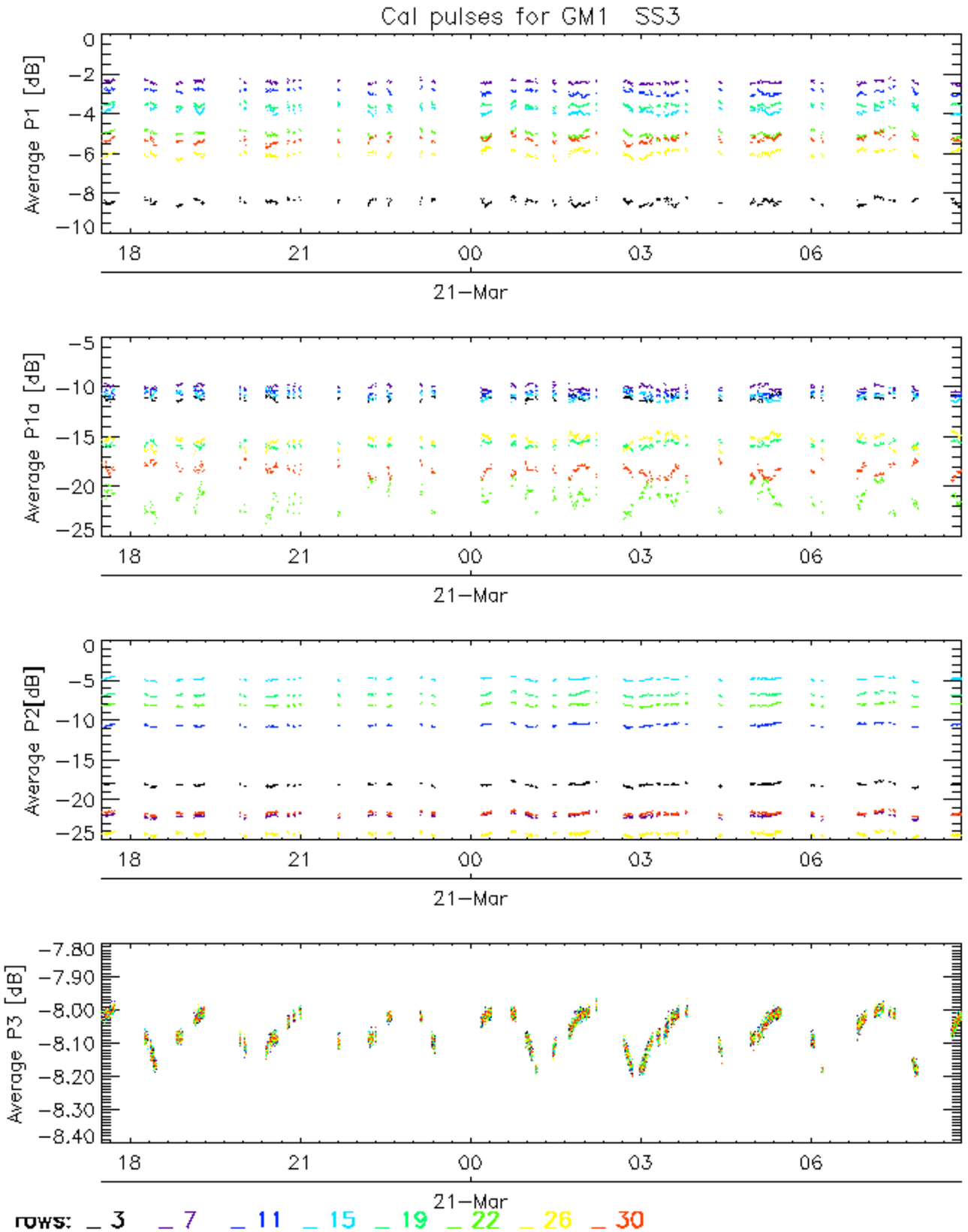
7.6 - Doppler evolution versus ANX for GM1

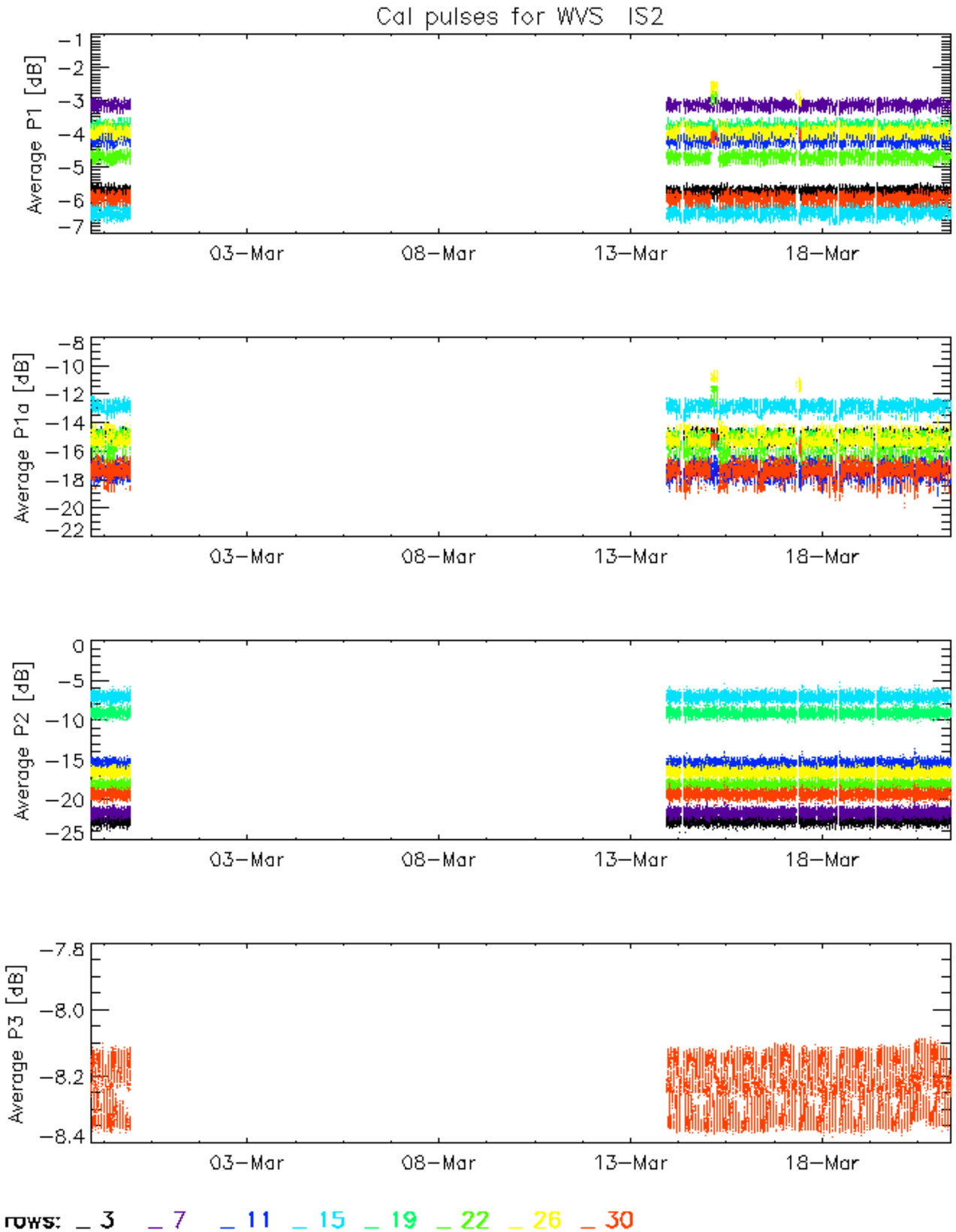
Evolution Doppler error versus ANX


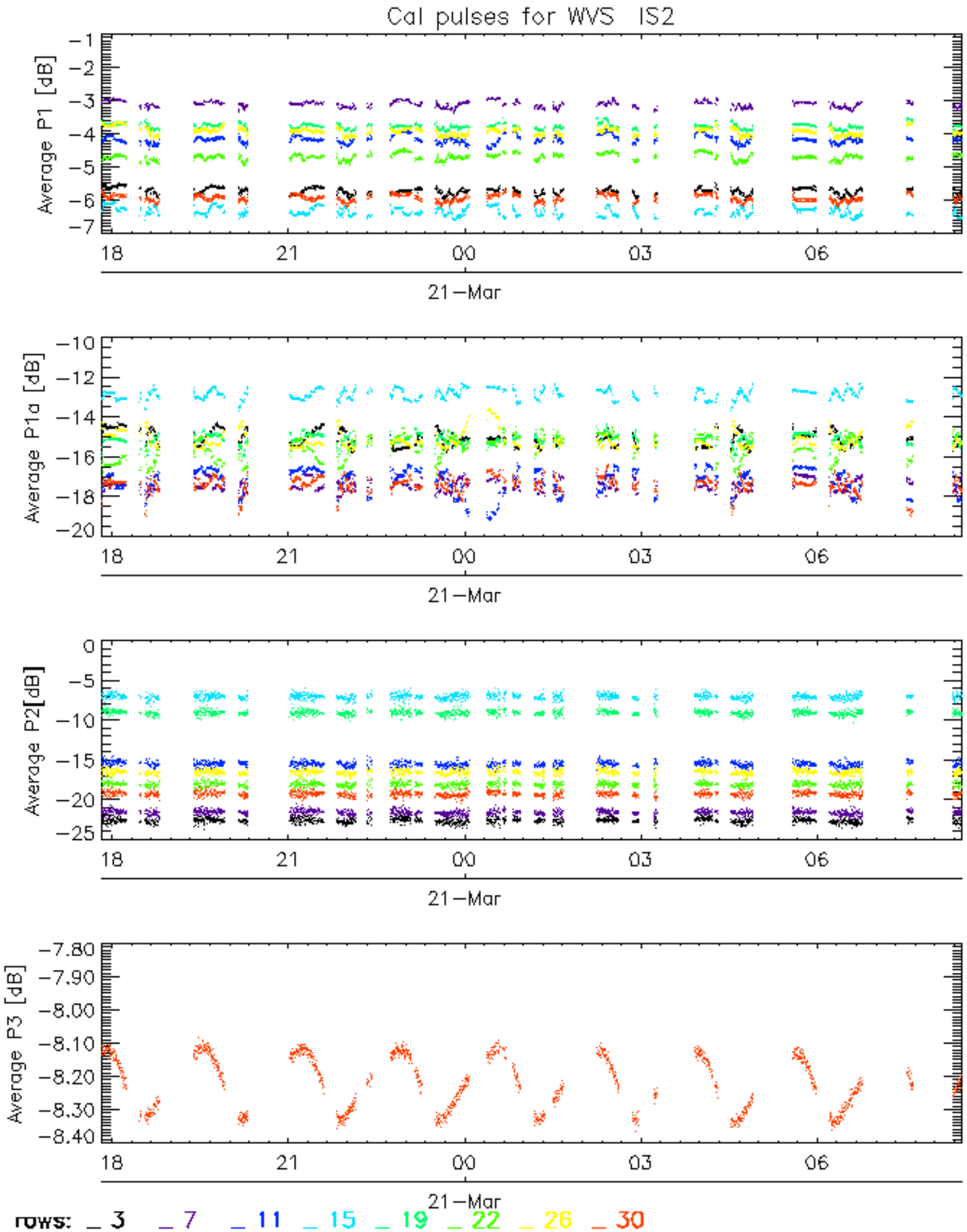

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
21−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
21−Mar
Cal pulses for GM1 SS3
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
21−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
21−Mar
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
21−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
21−Mar
Cal pulses for WVS IS2
Phase P1 [deg]
200
100
0
−100
−200
18
21
00
03
06
21−Mar
Phase P1a [deg]
200
100
0
−100
−200
18
21
00
03
06
21−Mar
rows: 3 7 11 15 19 22 26 30


Cal pulses for GM1 SS3
Average P1 [dB]
2
0
−2
−4
−6
−8
−10
03−Mar
08−Mar
13−Mar
18−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
03−Mar
08−Mar
13−Mar
18−Mar
Average P2 [dB]
0
−5
−10
−15
−20
−25
−30
03−Mar
08−Mar
13−Mar
18−Mar
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
03−Mar
08−Mar
13−Mar
18−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

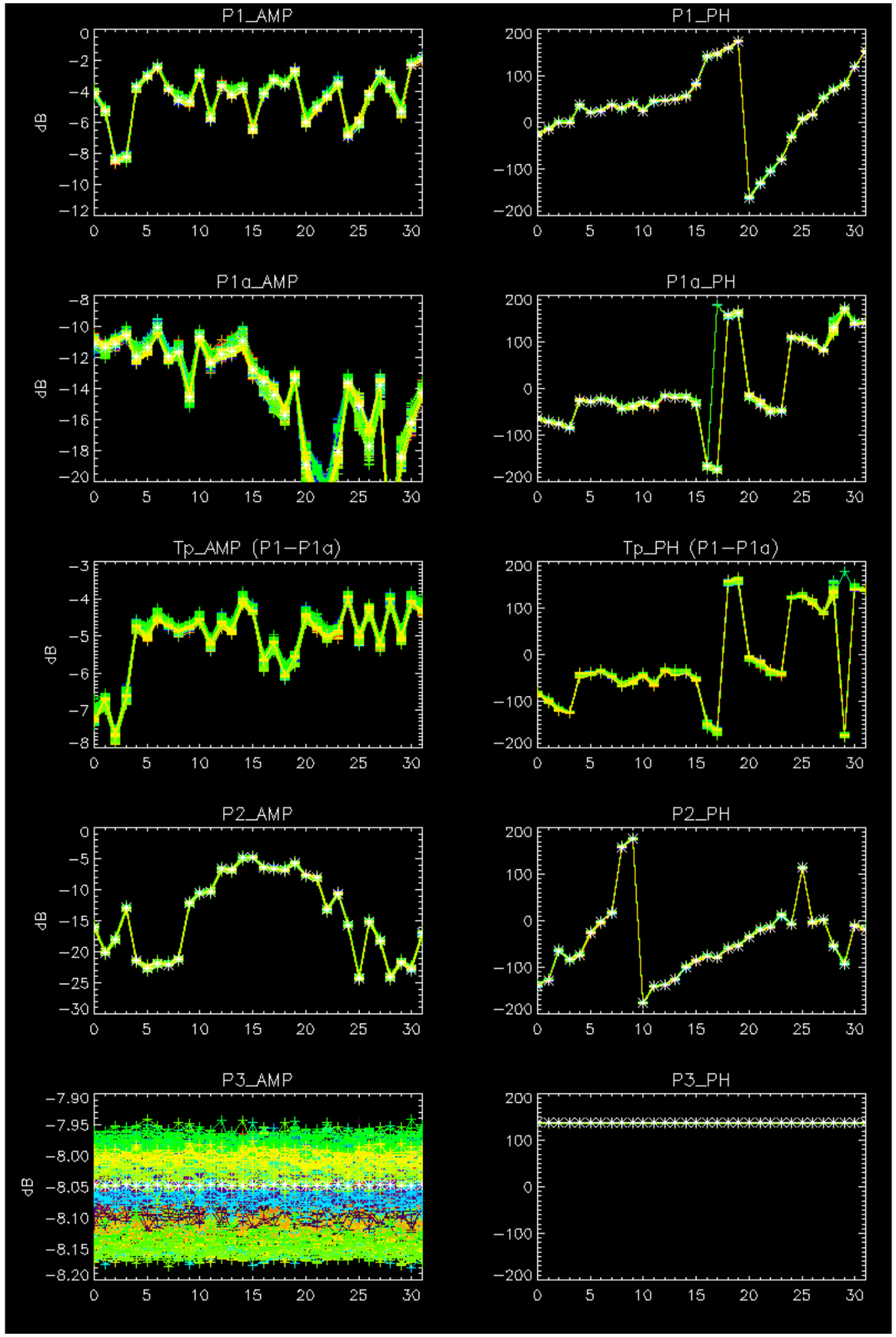

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
18
21
00
03
06
21−Mar
Average P1a [dB]
−5
−10
−15
−20
−25
18
21
00
03
06
21−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
21−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
21−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

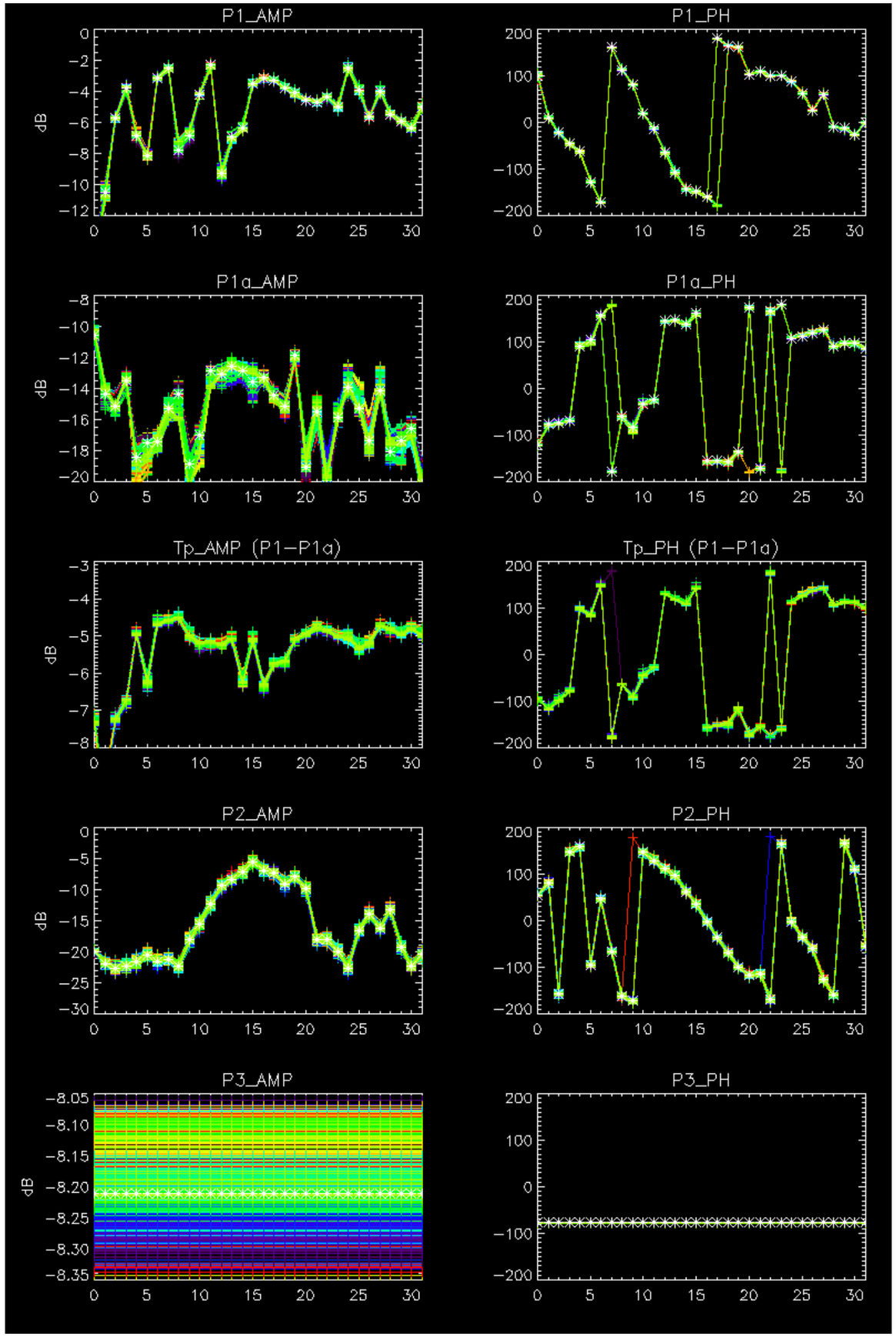

Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
03−Mar
08−Mar
13−Mar
18−Mar
Average P1a [dB]
−8
−10
−12
−14
−16
−18
−20
−22
03−Mar
08−Mar
13−Mar
18−Mar
Average P2 [dB]
0
−5
−10
−15
−20
−25
03−Mar
08−Mar
13−Mar
18−Mar
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
03−Mar
08−Mar
13−Mar
18−Mar
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
−1
−2
−3
−4
−5
−6
−7
18
21
00
03
06
21−Mar
Average P1a [dB]
−10
−12
−14
−16
−18
−20
18
21
00
03
06
21−Mar
Average P2[dB]
0
−5
−10
−15
−20
−25
18
21
00
03
06
21−Mar
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
18
21
00
03
06
21−Mar
rows: 3 7 11 15 19 22 26 30

No anomalies observed on available browse products

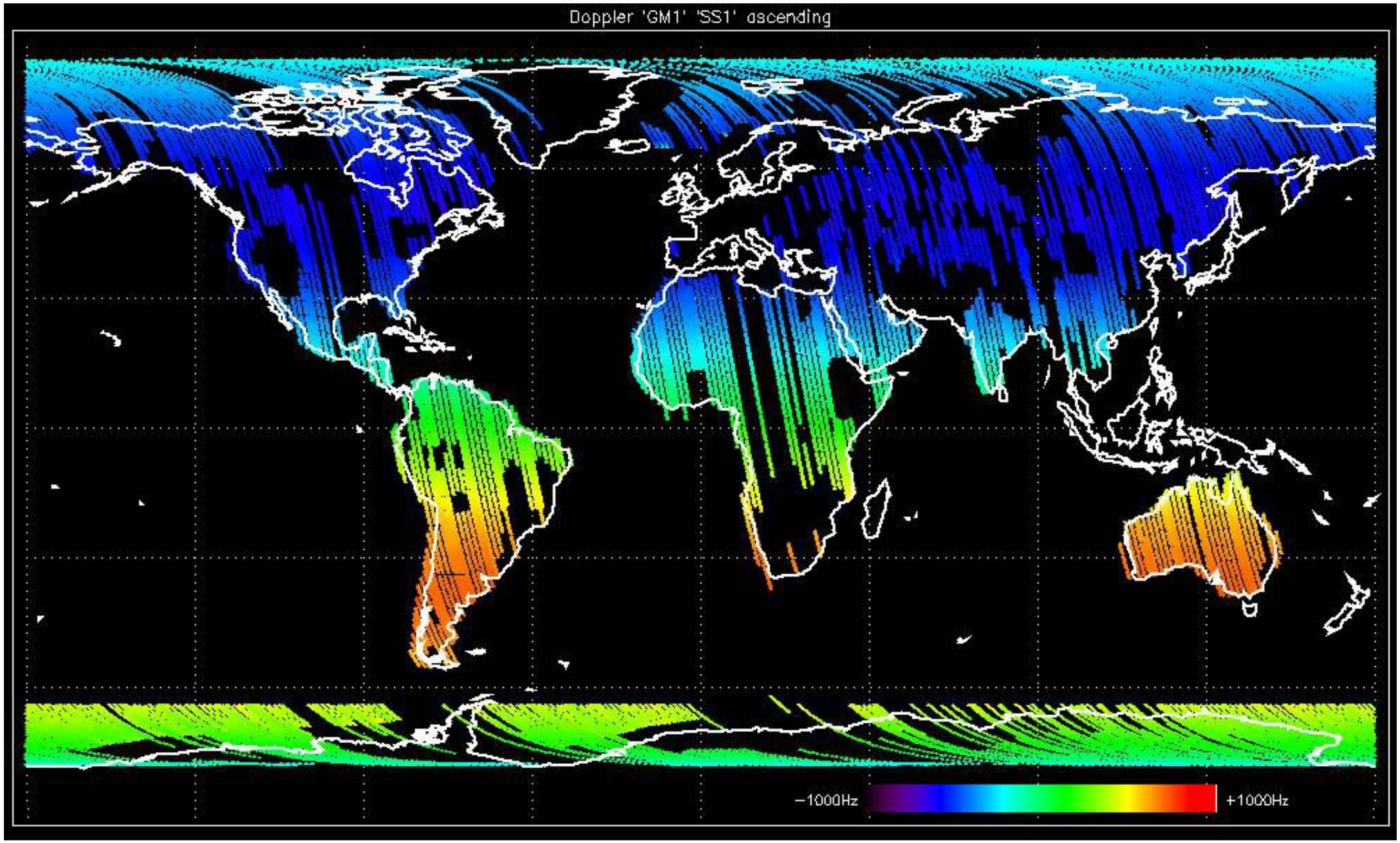
No anomalies observed.

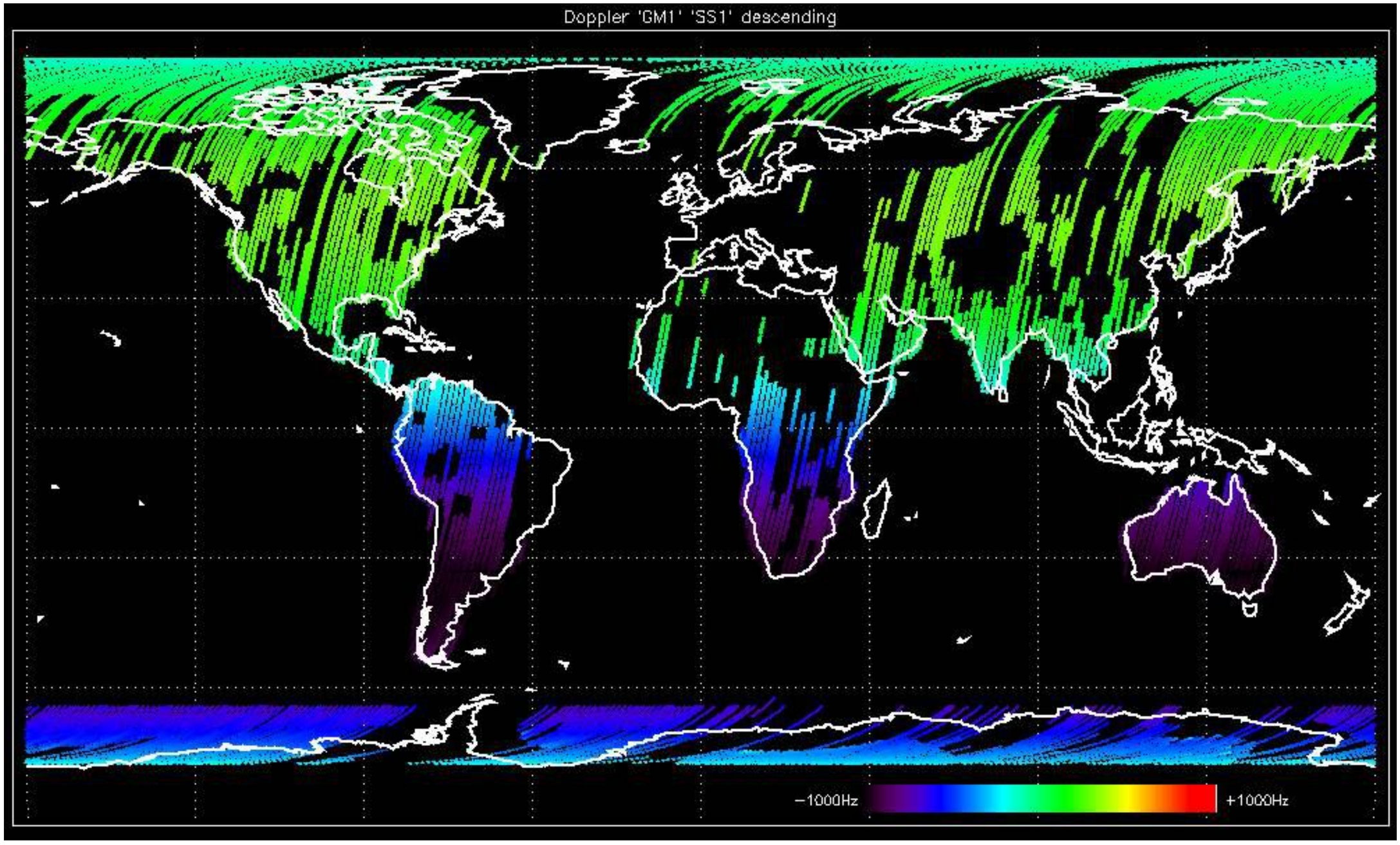

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

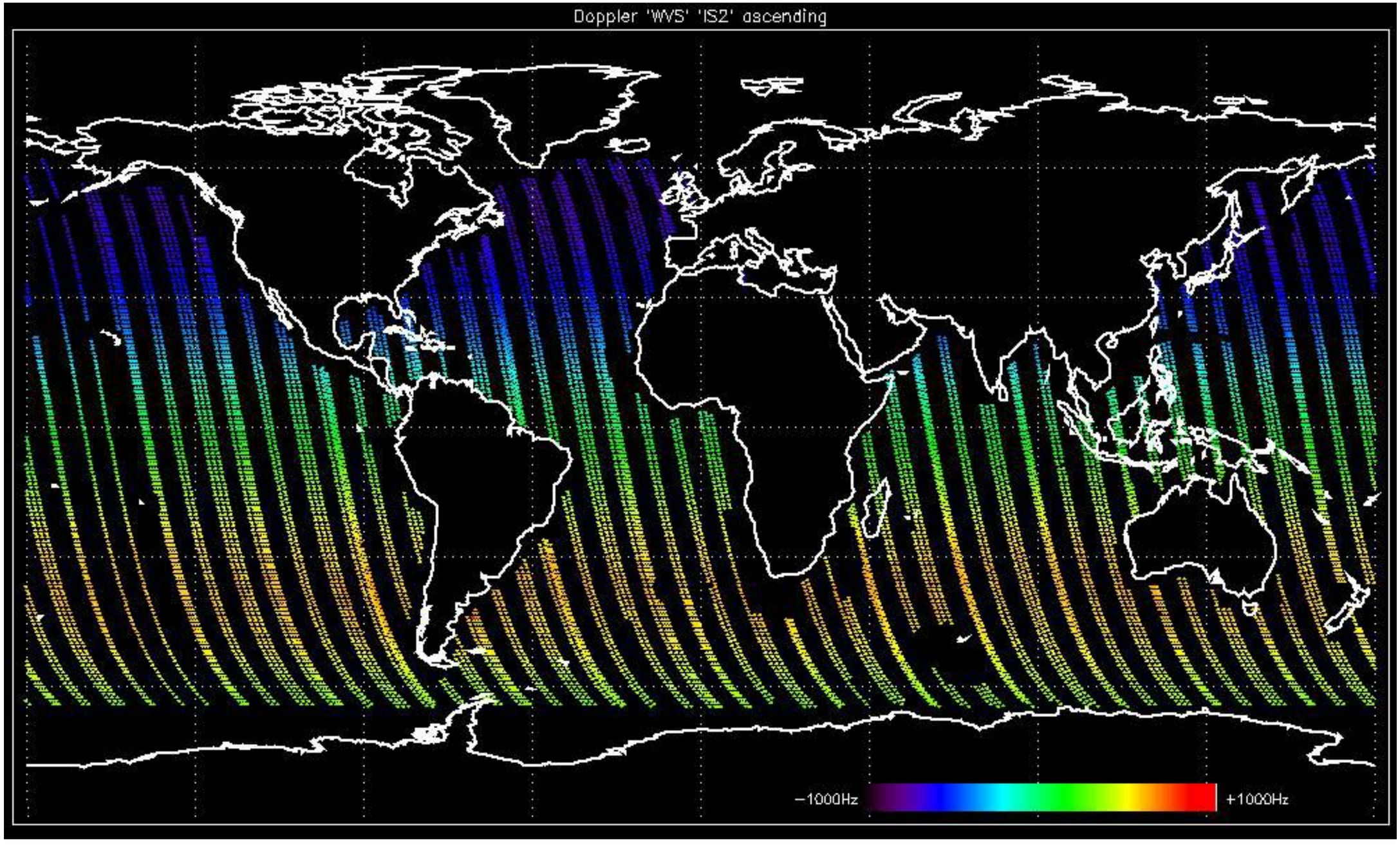

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

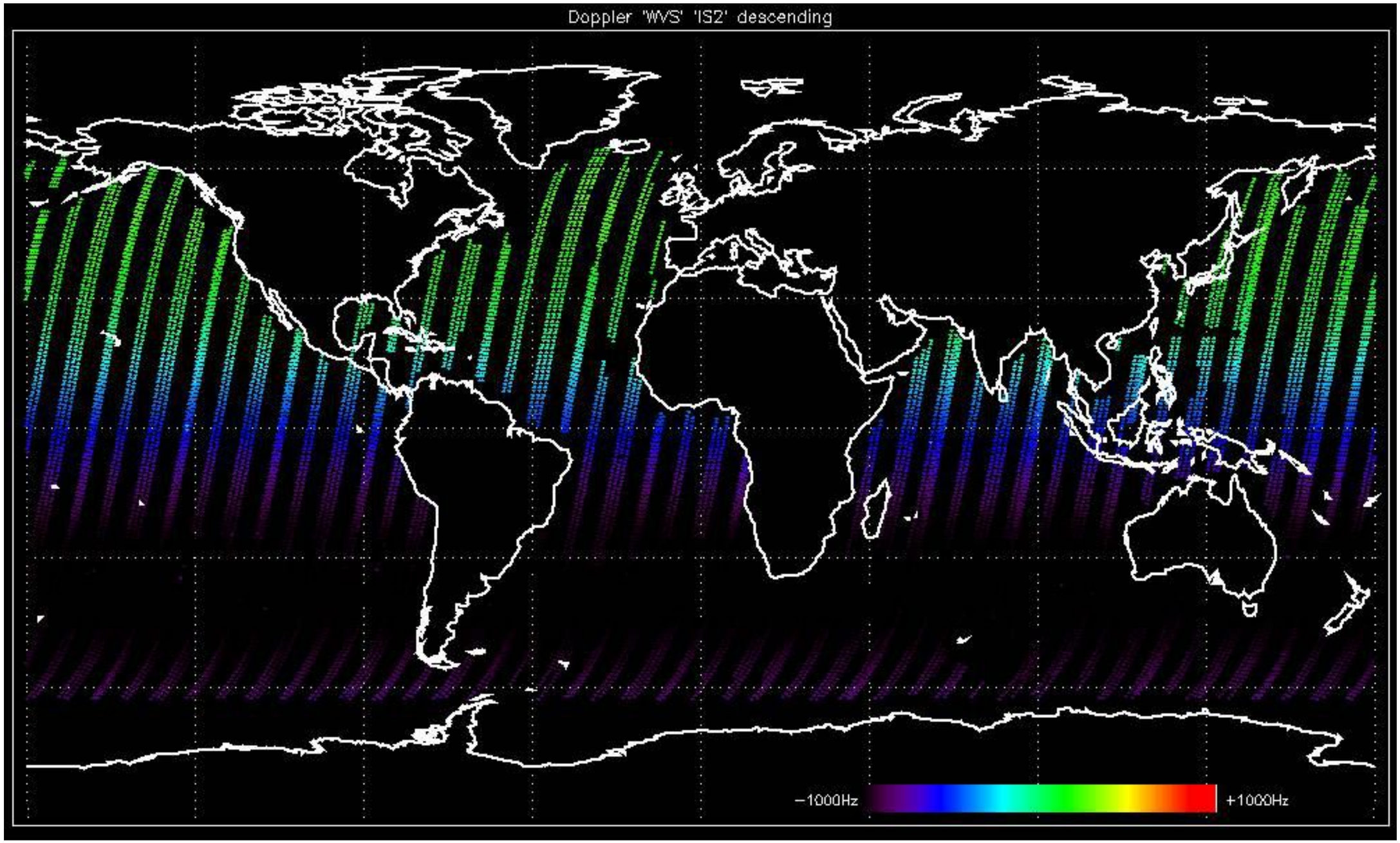
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

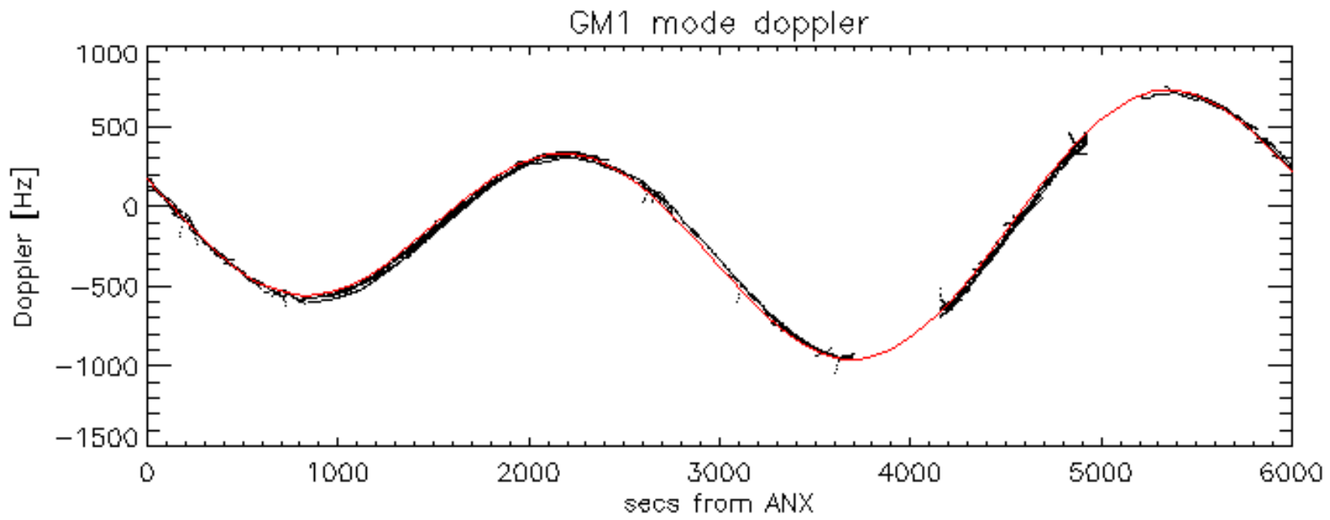
Preliminary report.The data is not yet controled

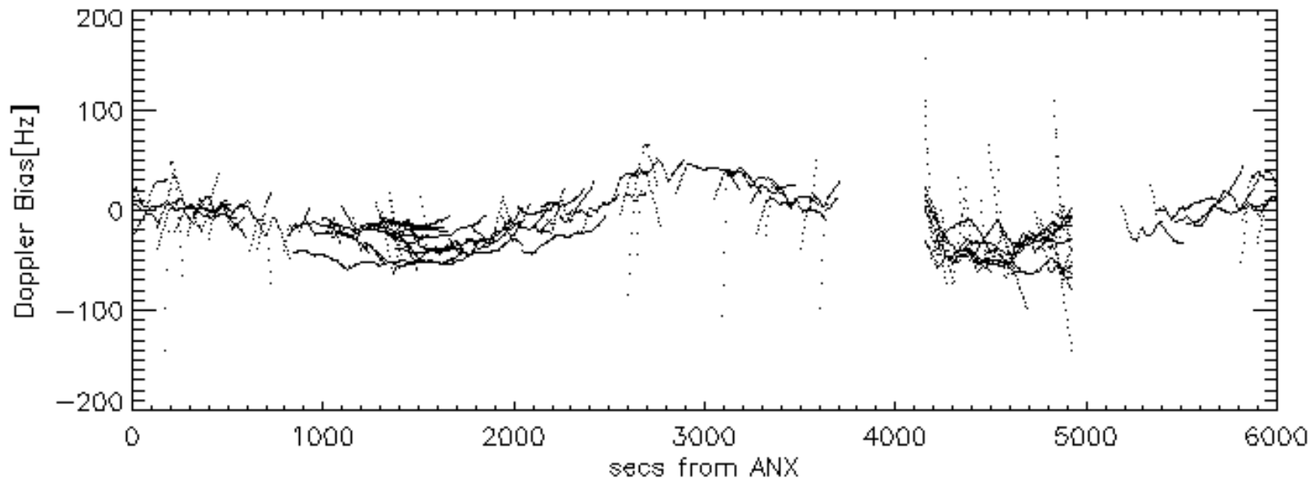

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

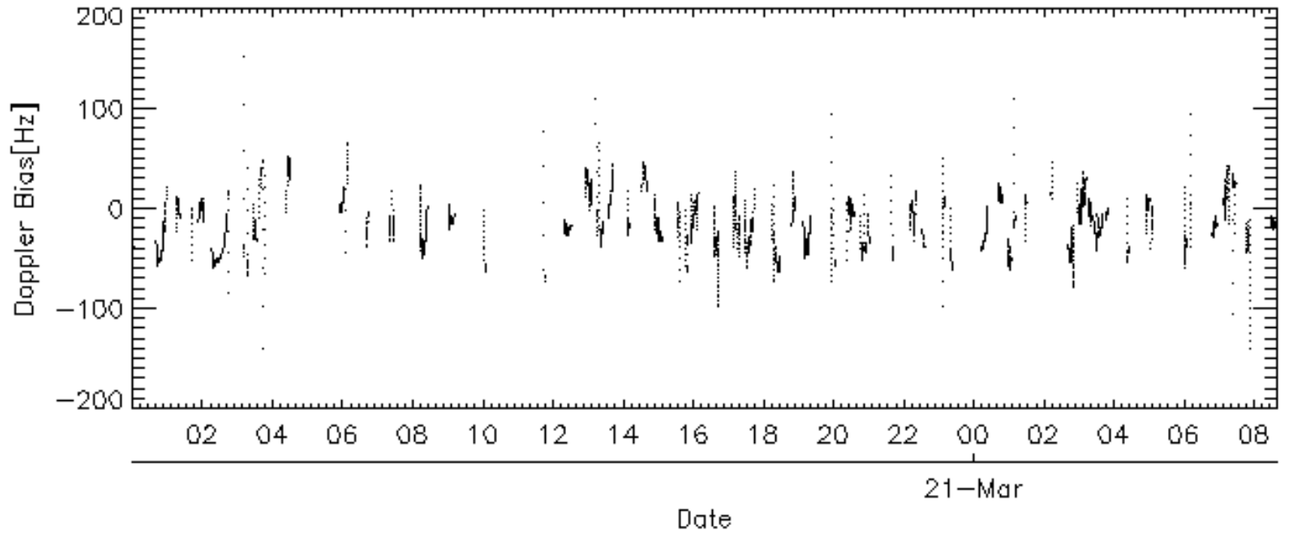

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

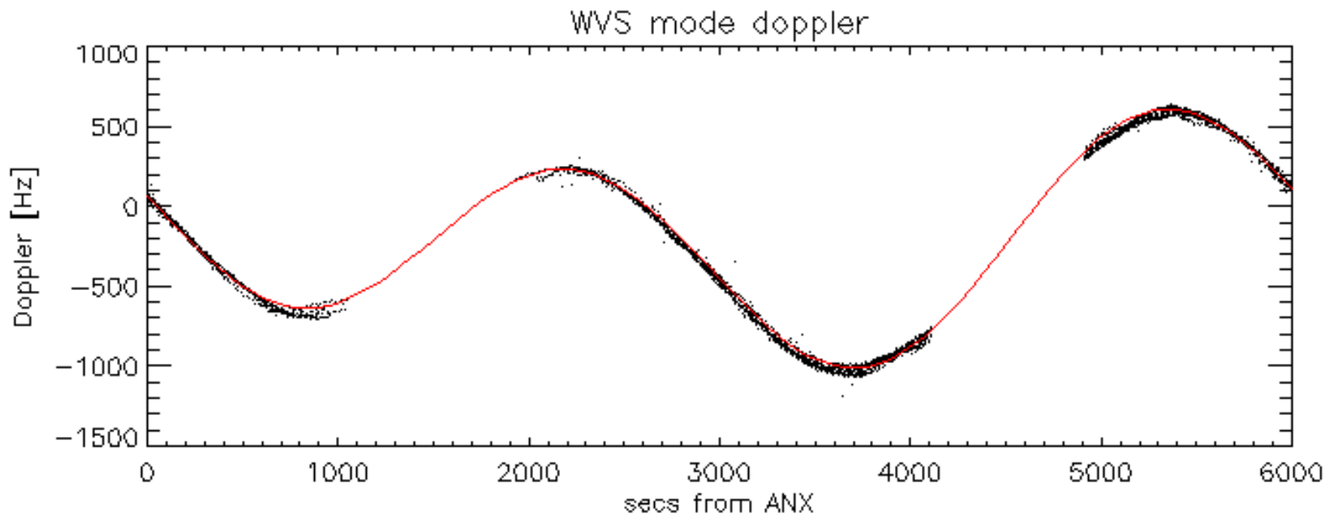

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

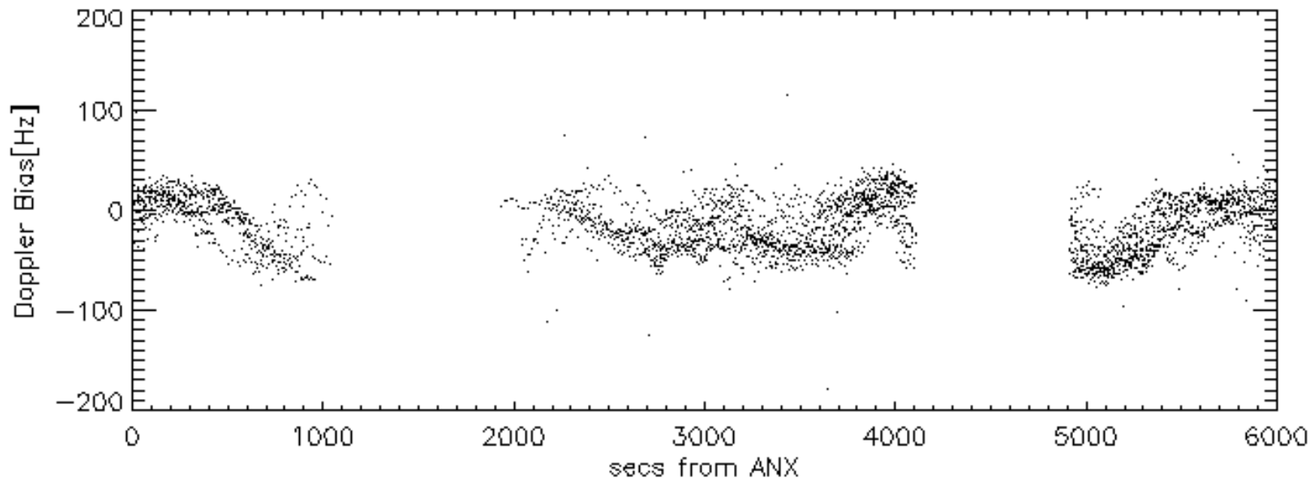

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

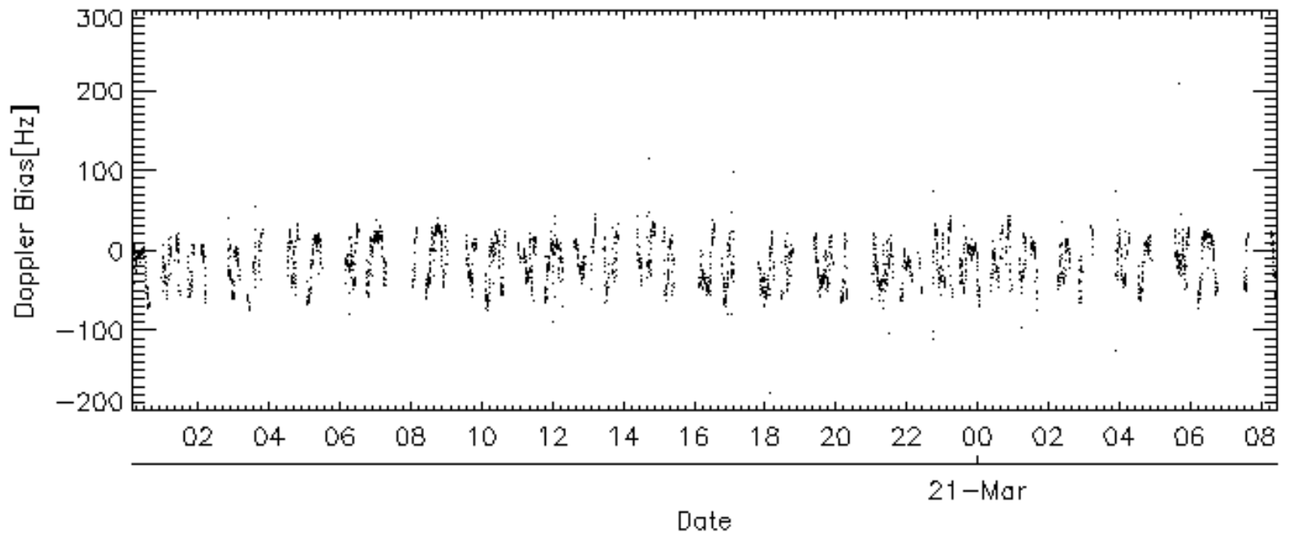

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

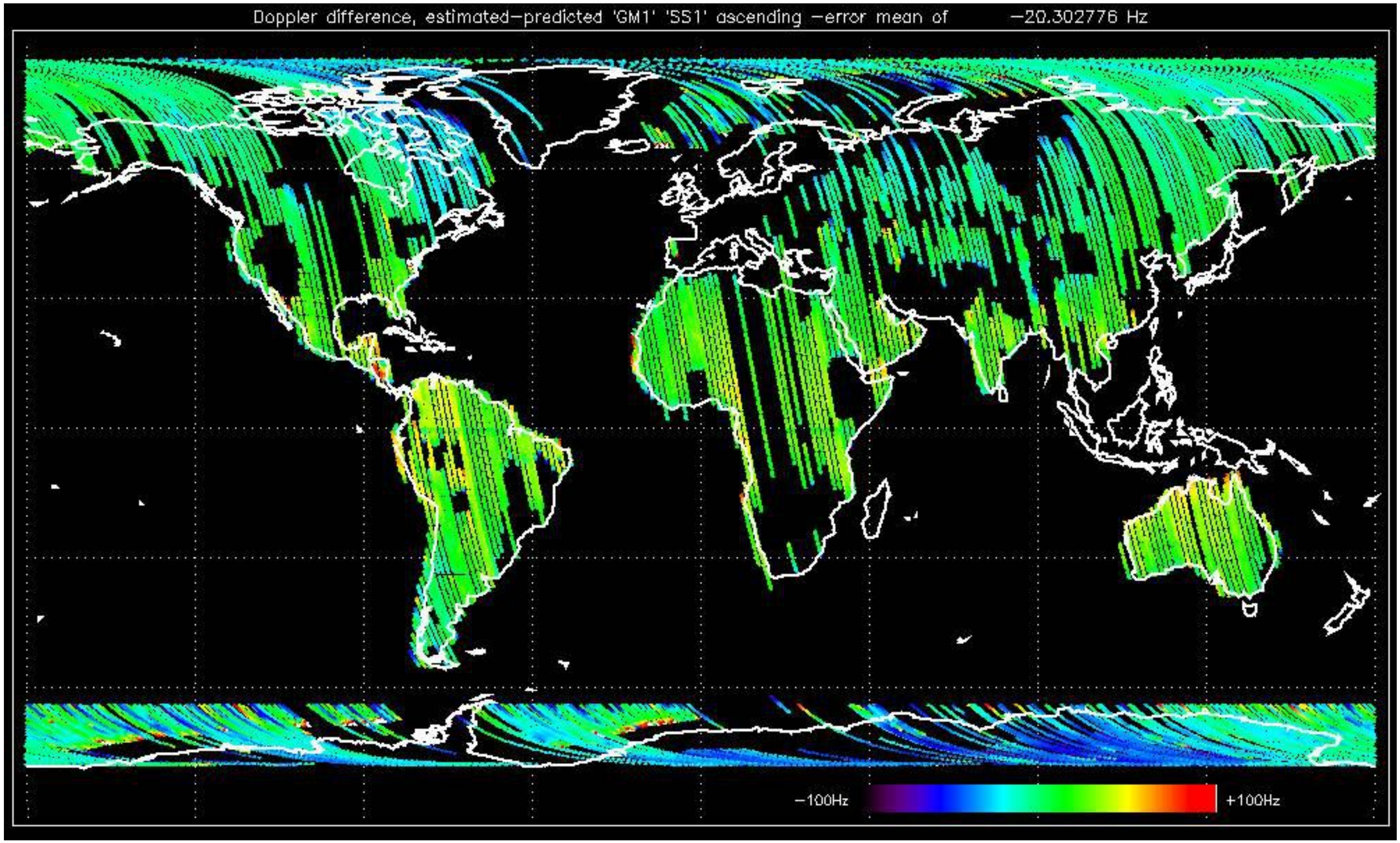

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

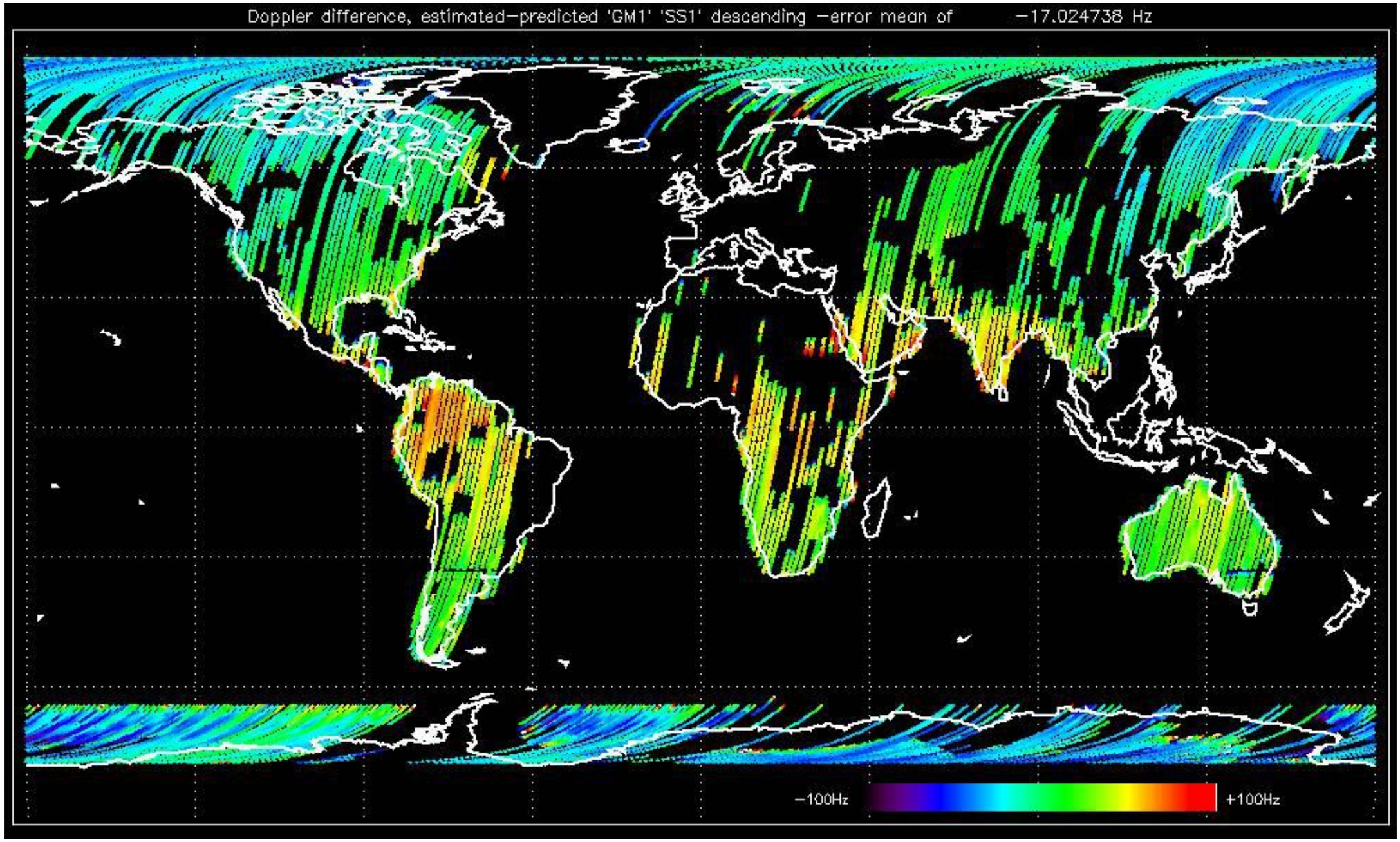

Doppler Bias[Hz]
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
21−Mar
Date

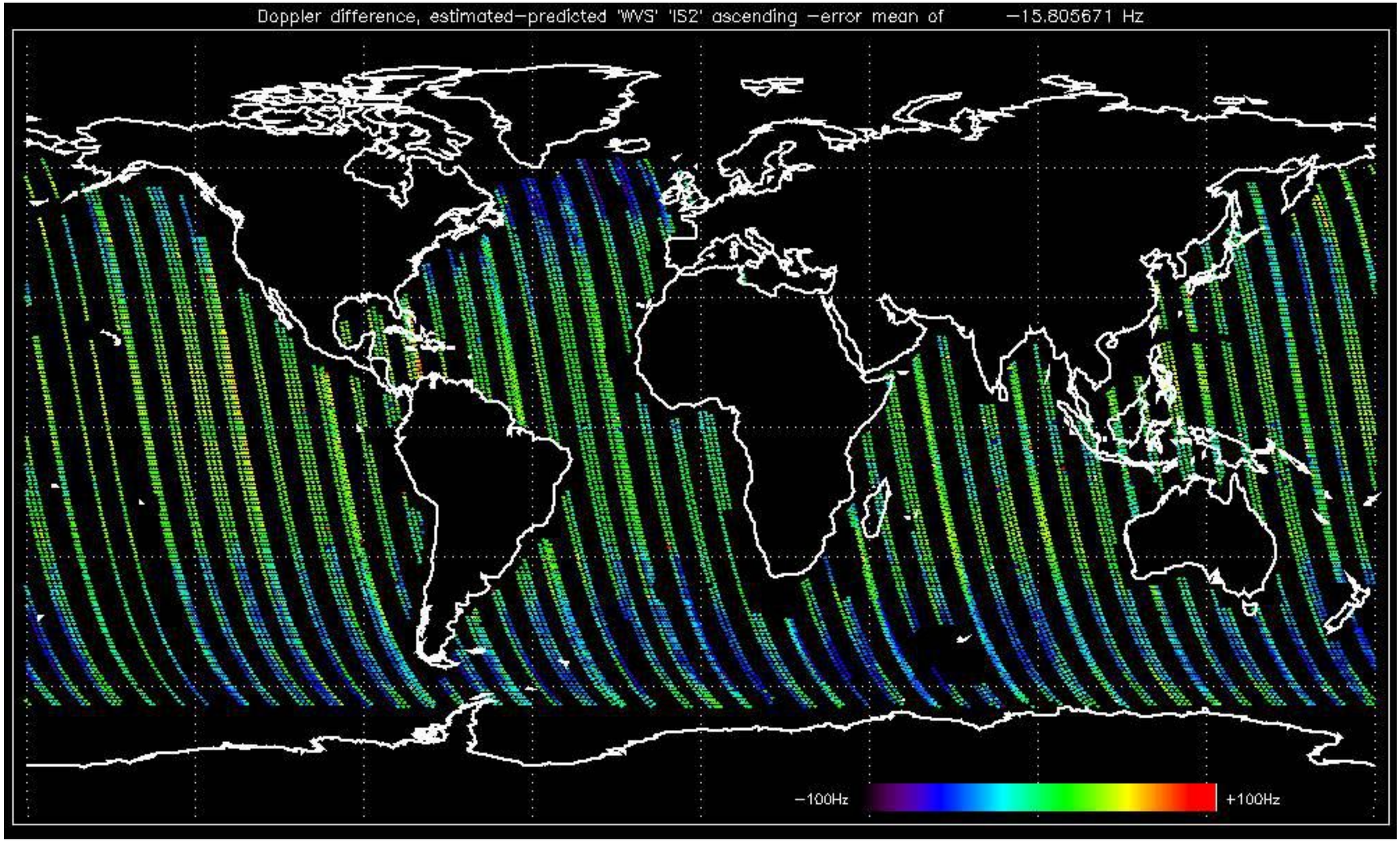

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

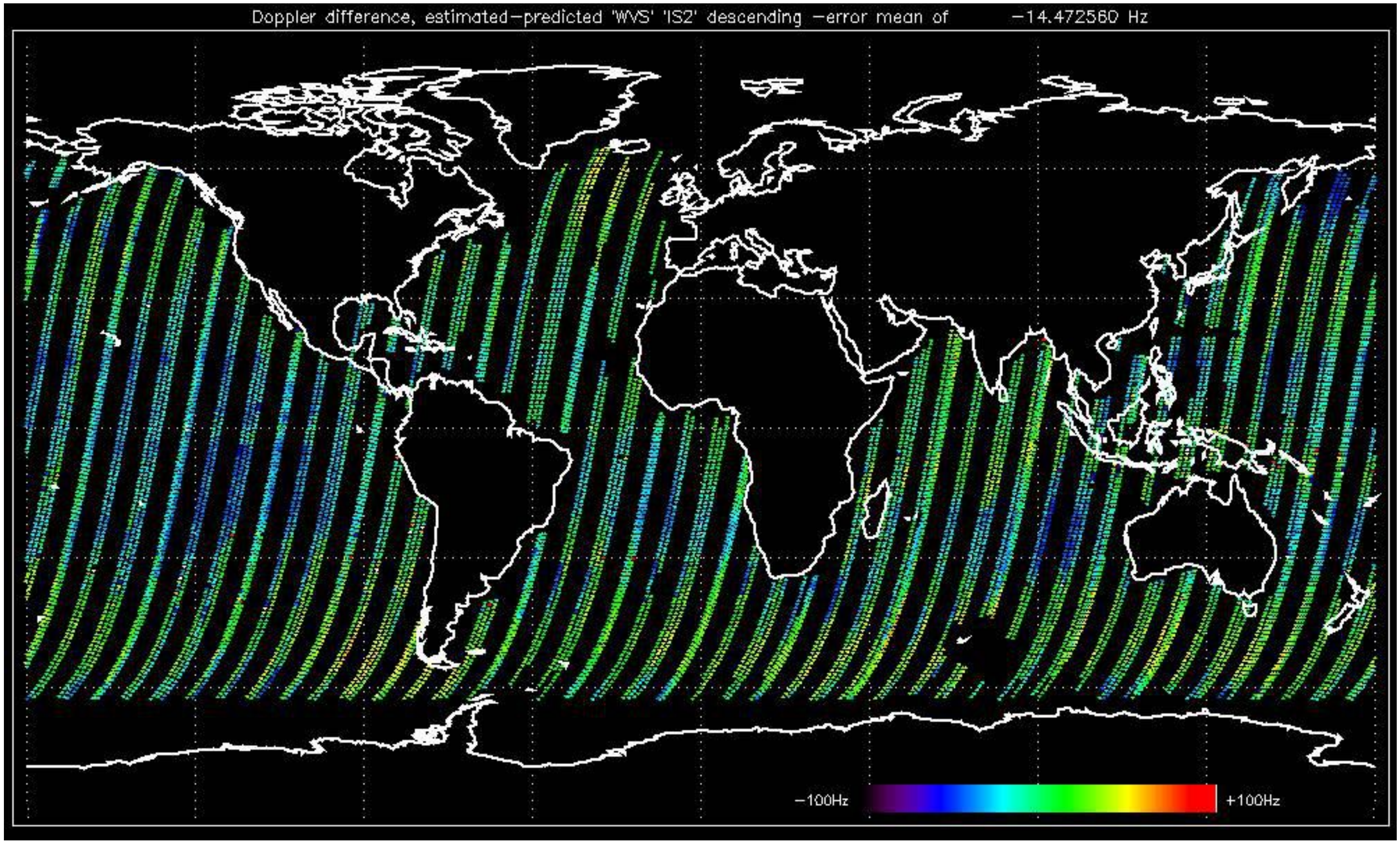

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
06
08
21−Mar
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −20.302776 Hz
−100Hz
+100Hz

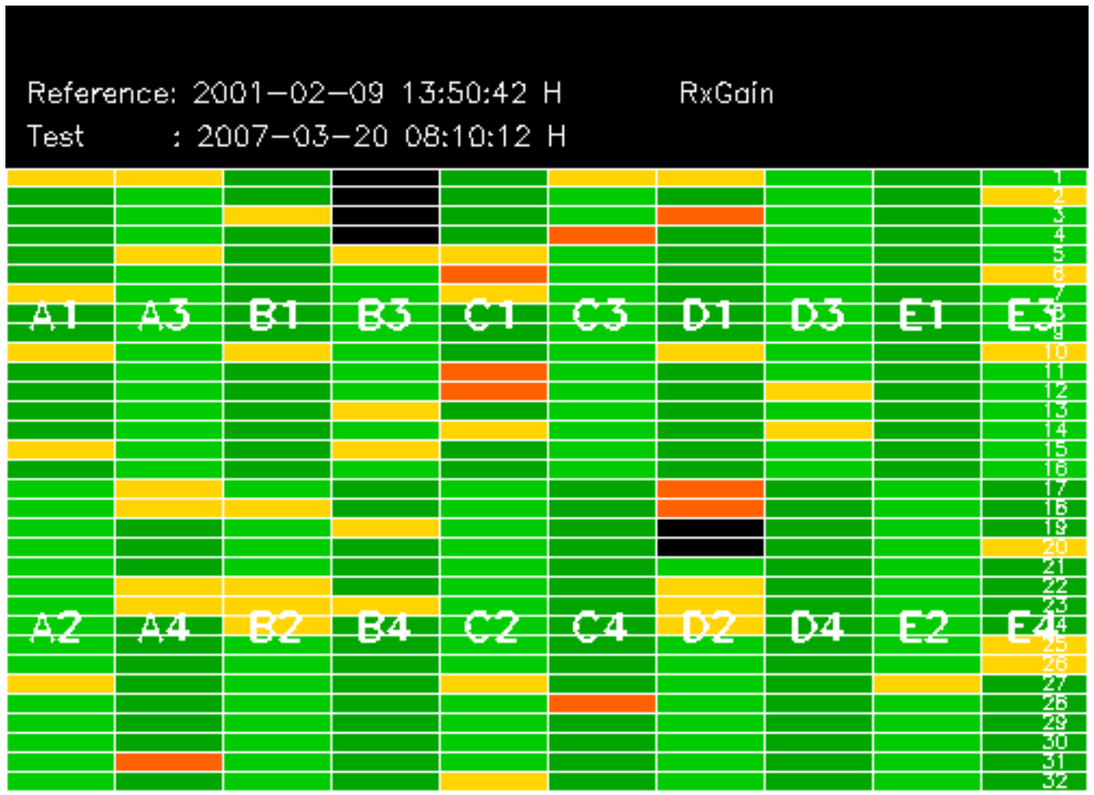

Doppler difference, estimated-predicted 'GM1' 'SS1' descending -error mean of -17.024738 Hz
-100Hz
+100Hz

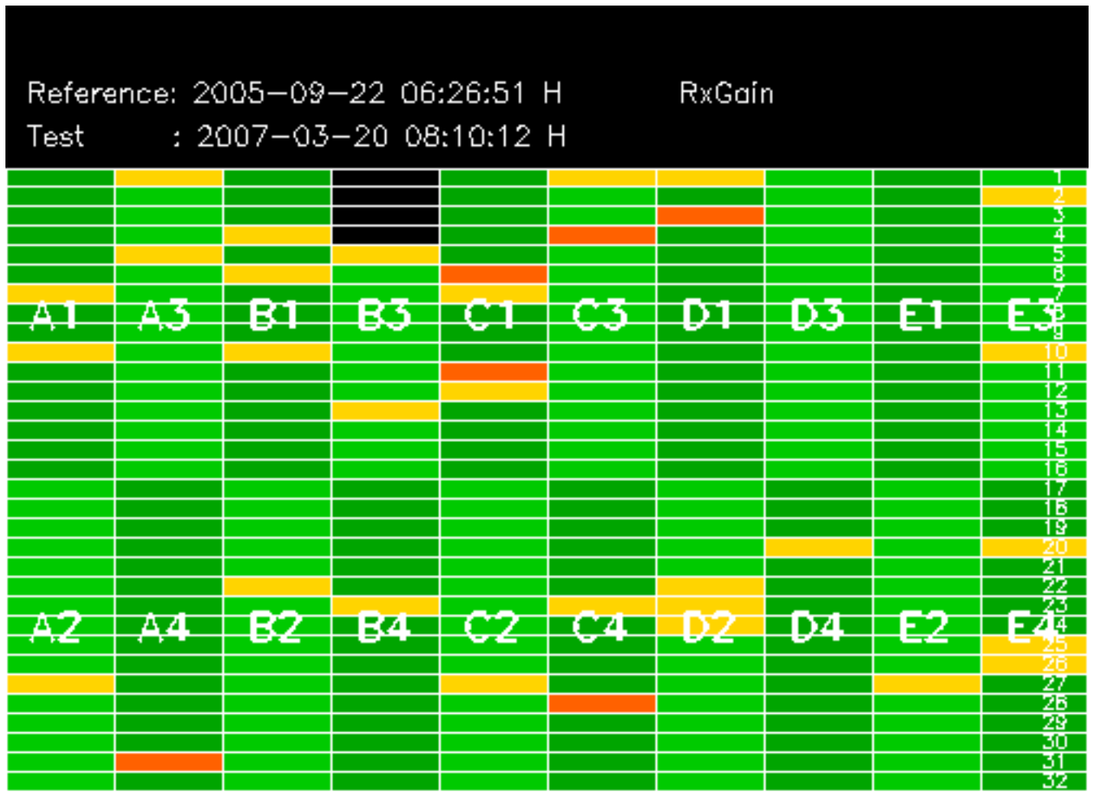

Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −15.805671 Hz
−100Hz
+100Hz

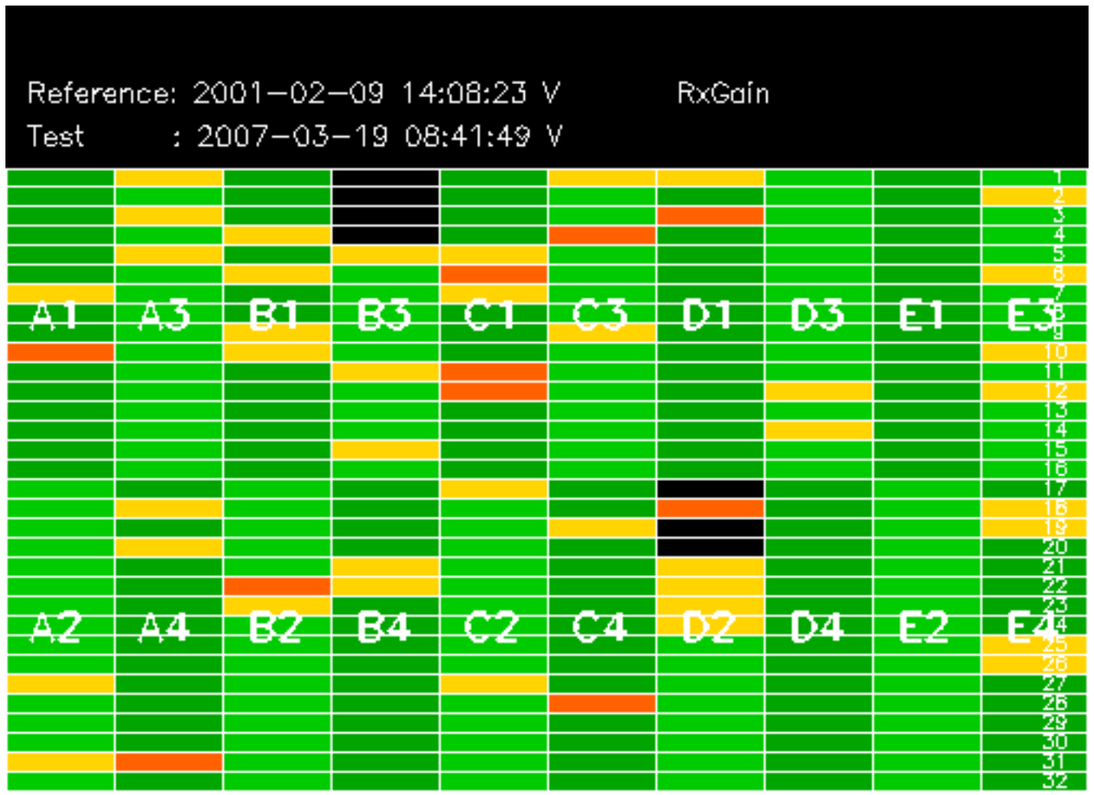

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −14.472560 Hz
−100Hz
+100Hz

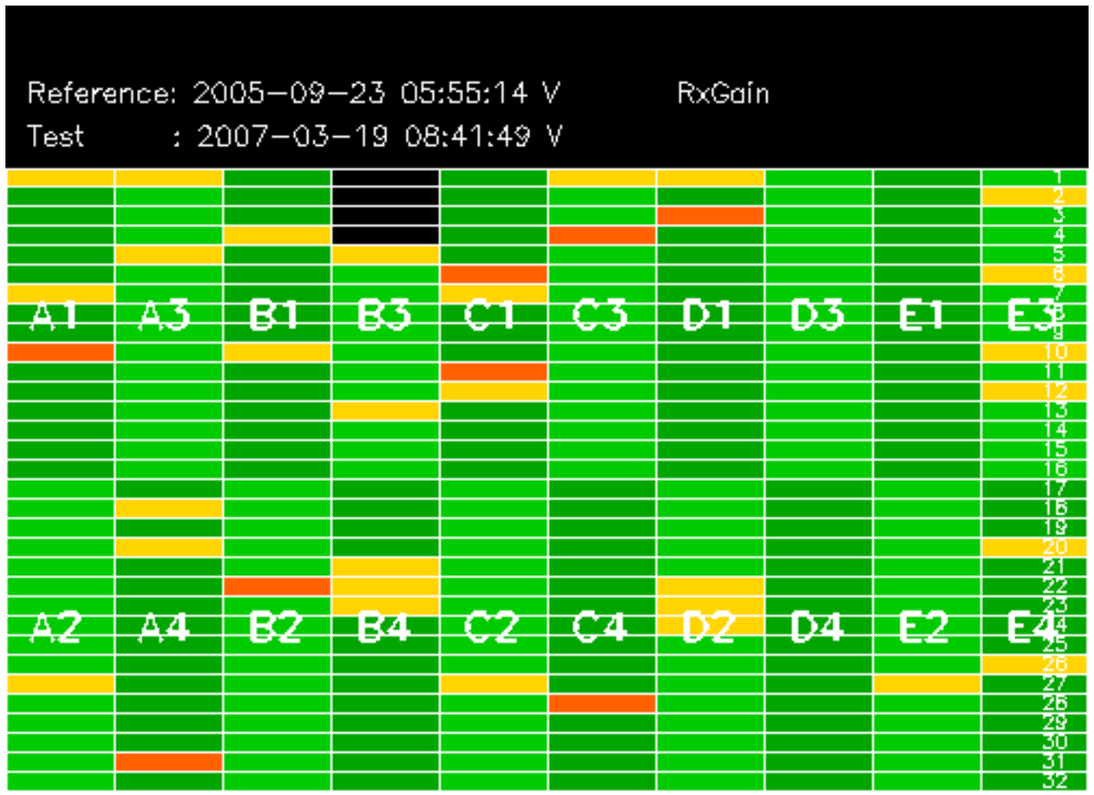
No anomalies observed on available MS products:

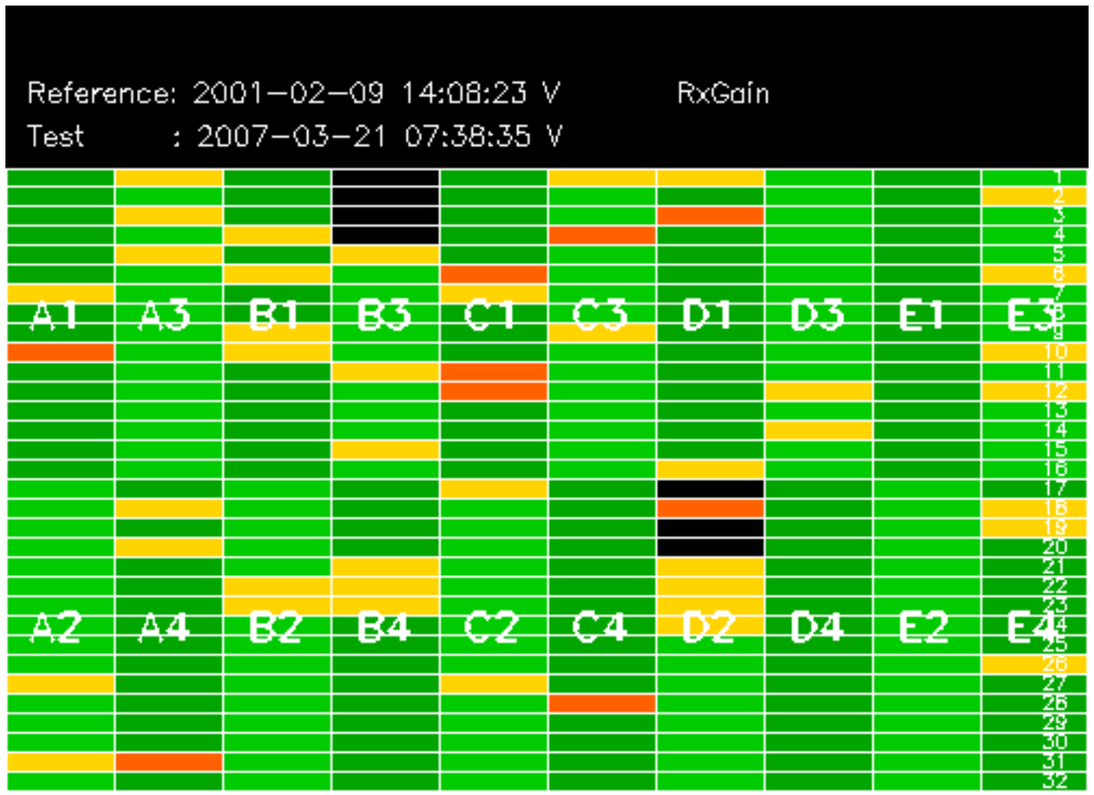
No anomalies observed.

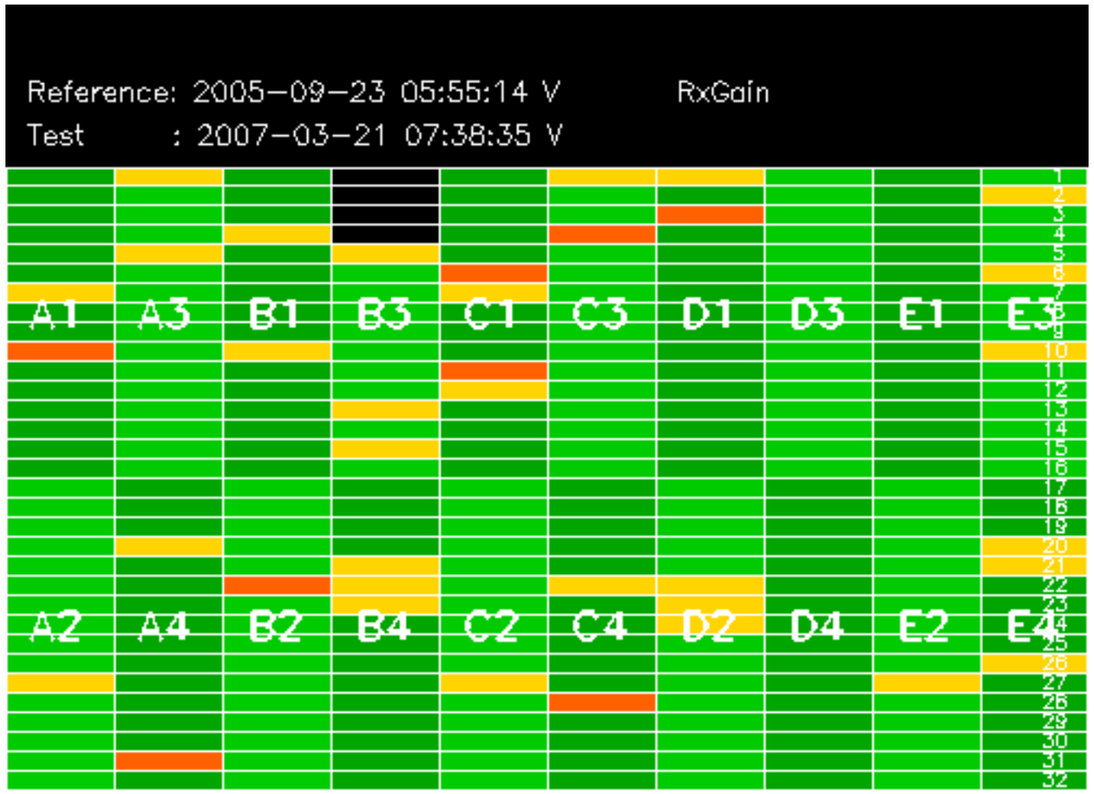

Reference: 2001-02-09 13:50:42 H
Test : 2007-03-20 08:10:12 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

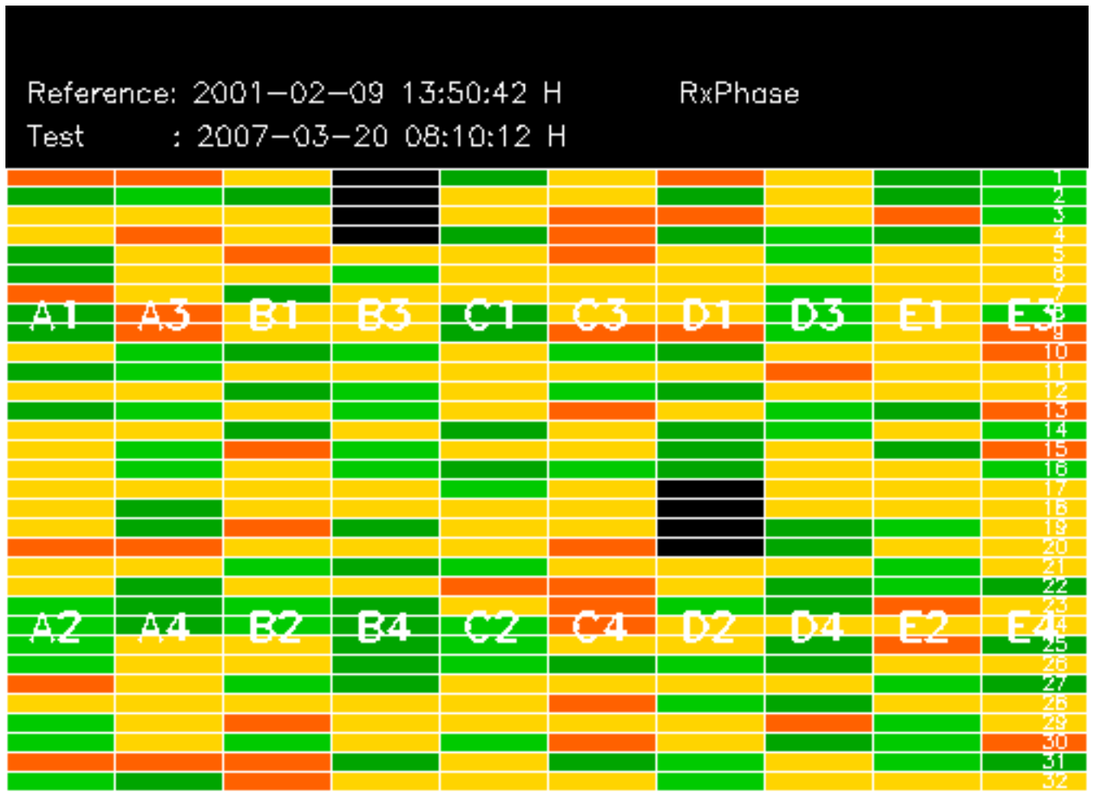

Reference: 2005-09-22 06:26:51 H
Test : 2007-03-20 08:10:12 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
RxGain
Test : 2007-03-21 07:38:35 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-21 07:38:35 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2007-03-20 08:10:12 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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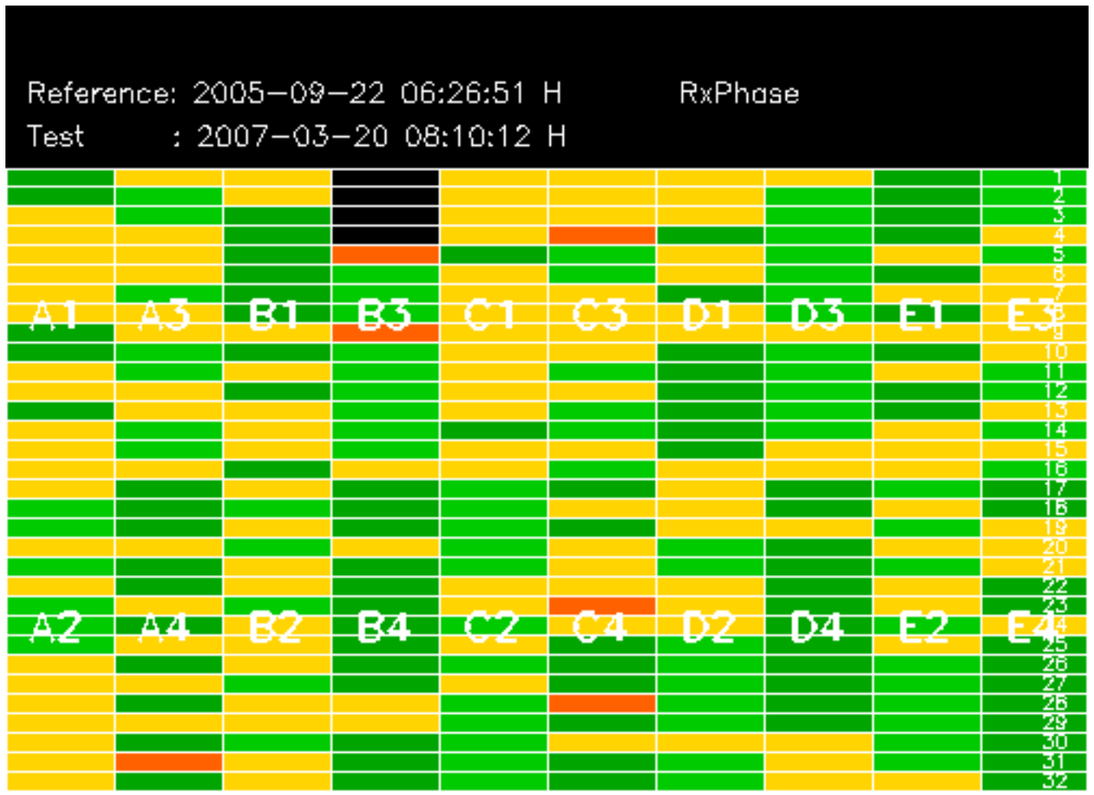
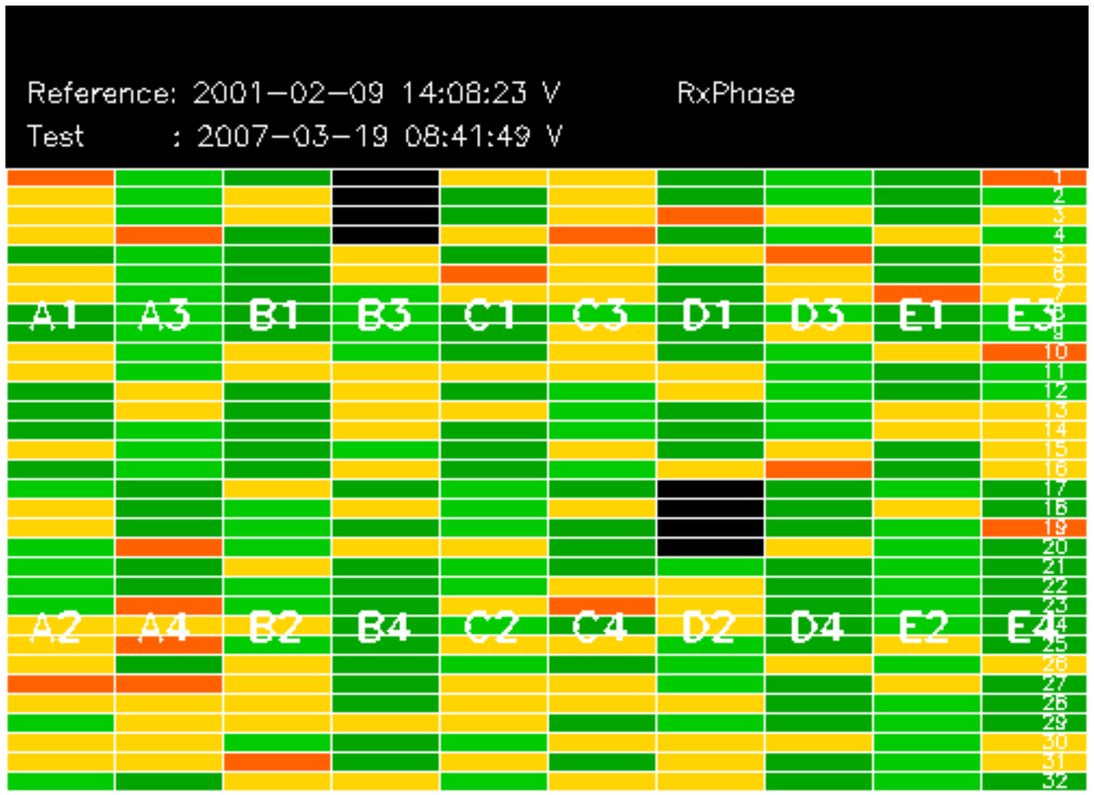

Reference: 2005-09-22 06:26:51 H
RxPhase
Test : 2007-03-20 08:10:12 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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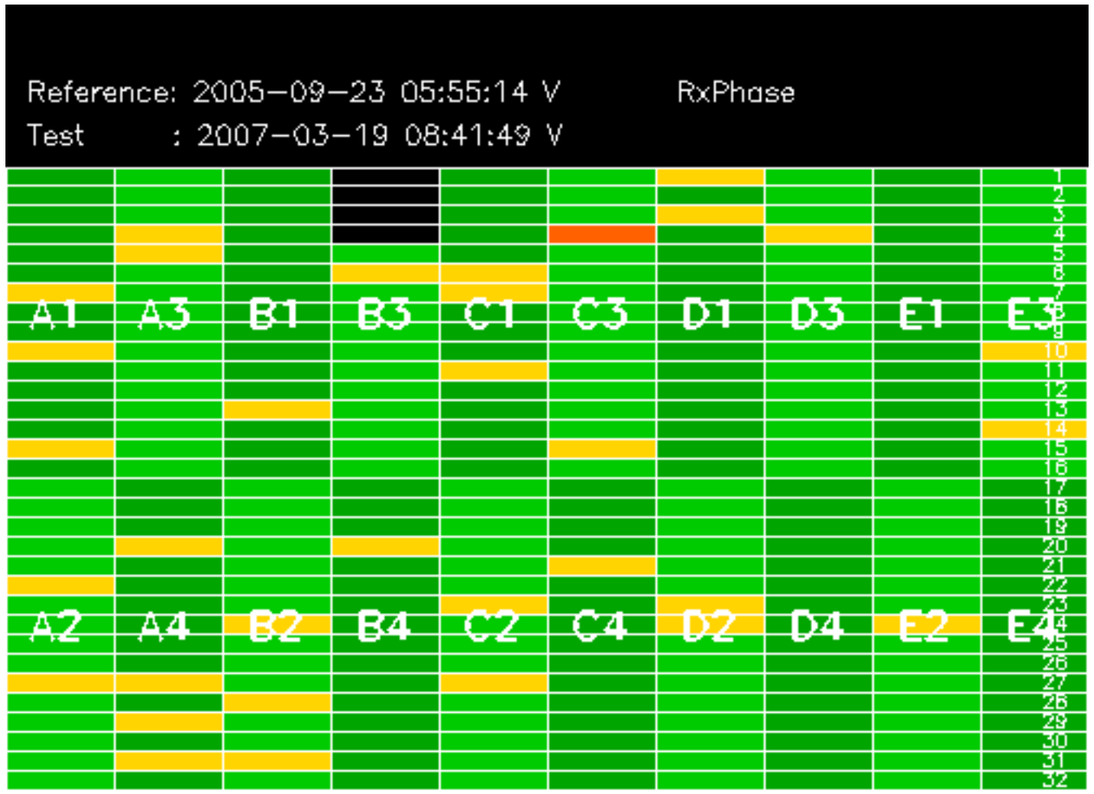
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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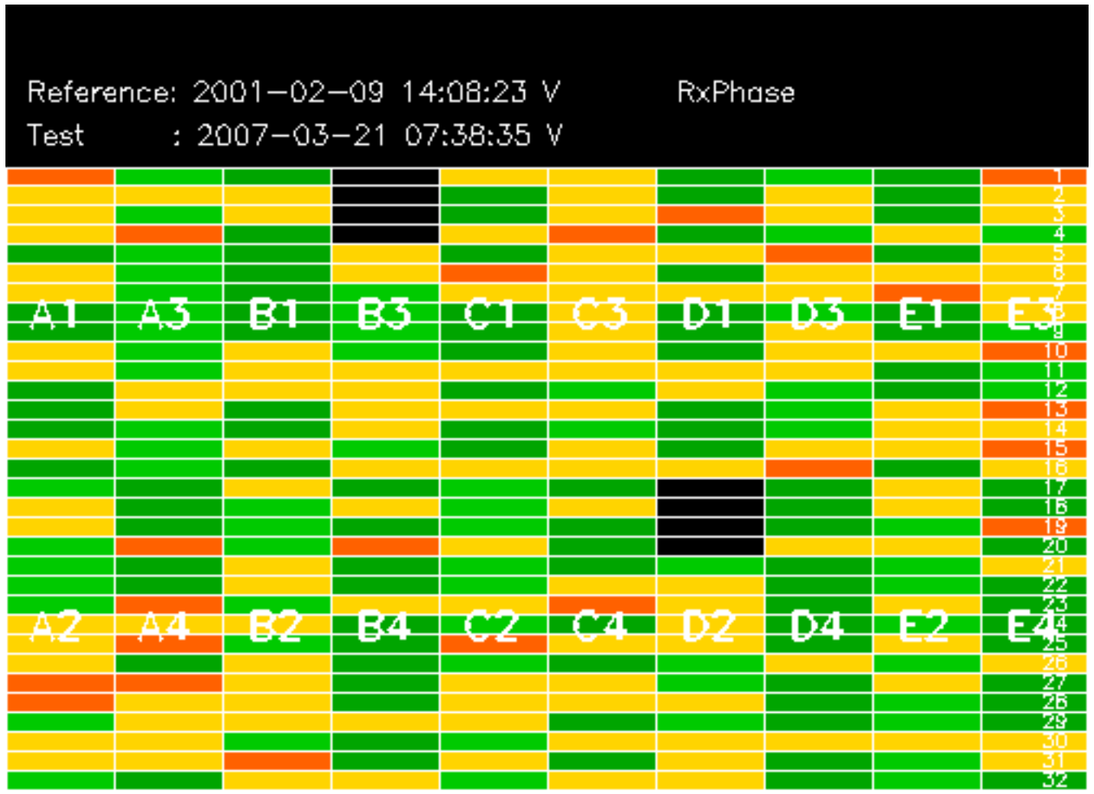
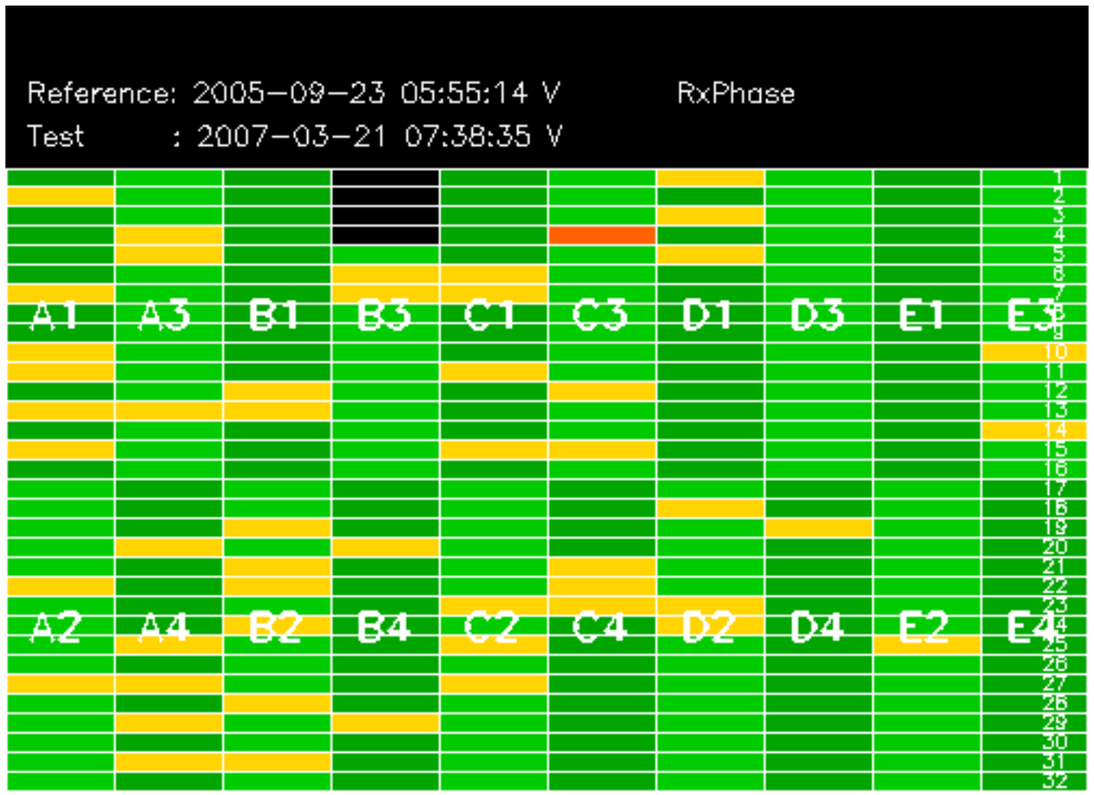

Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2007-03-21 07:38:35 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-21 07:38:35 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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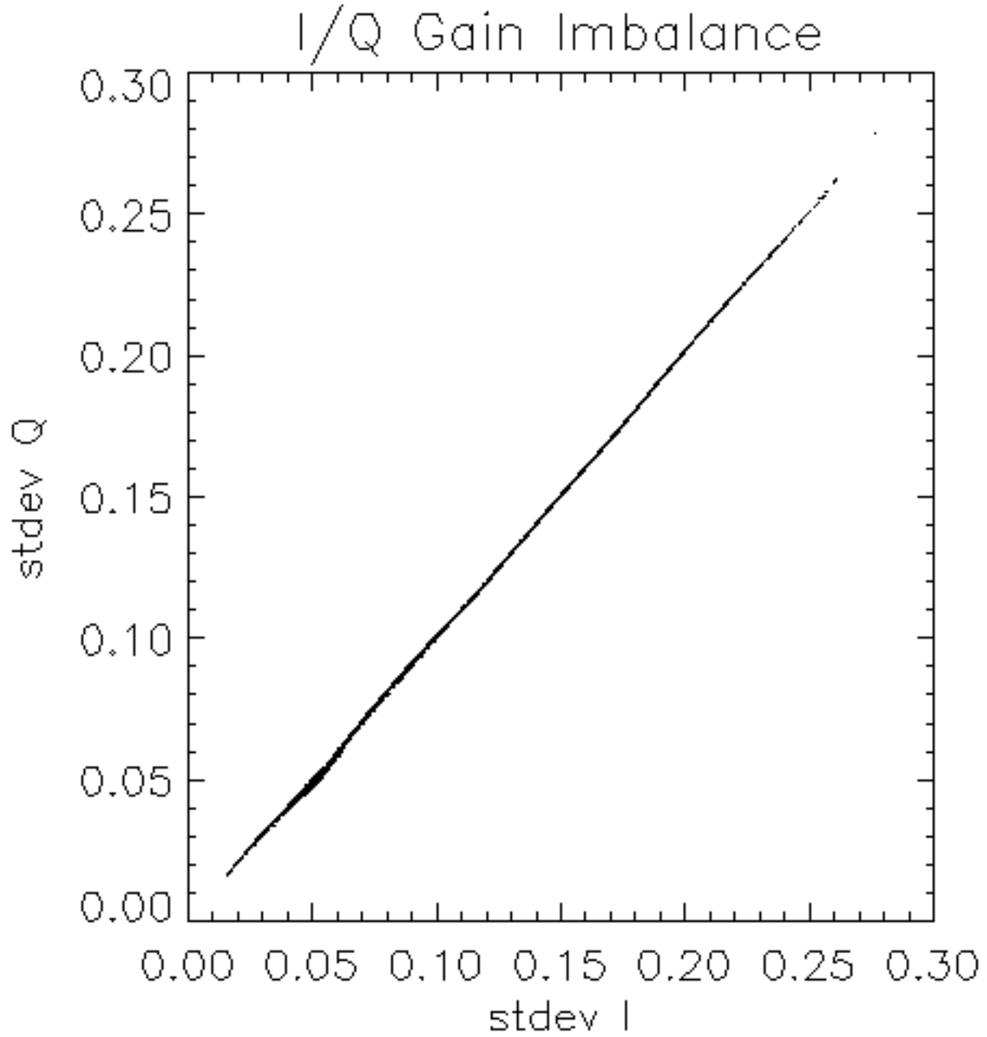
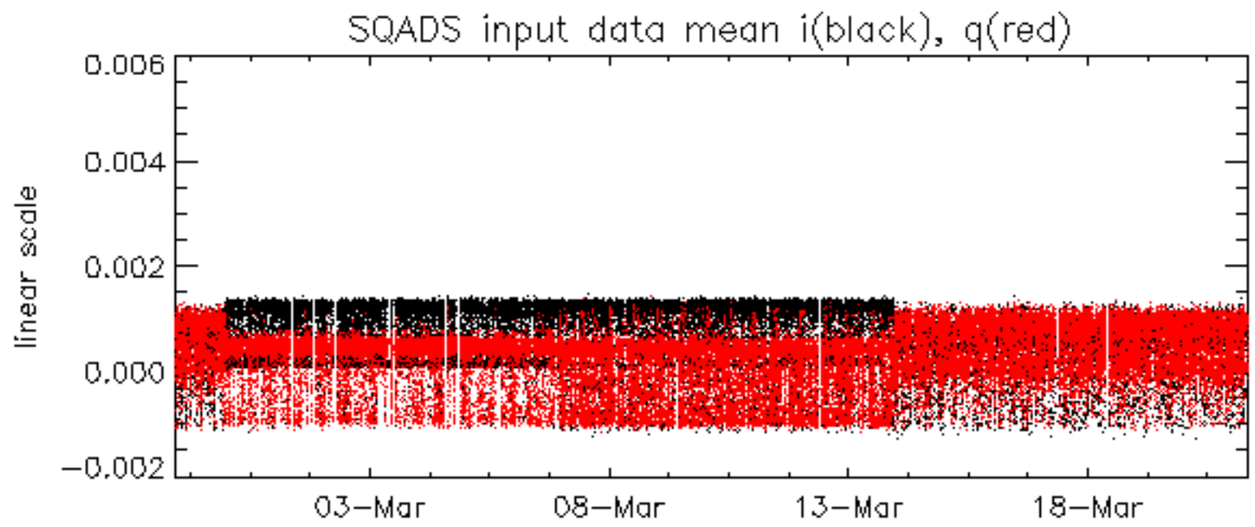
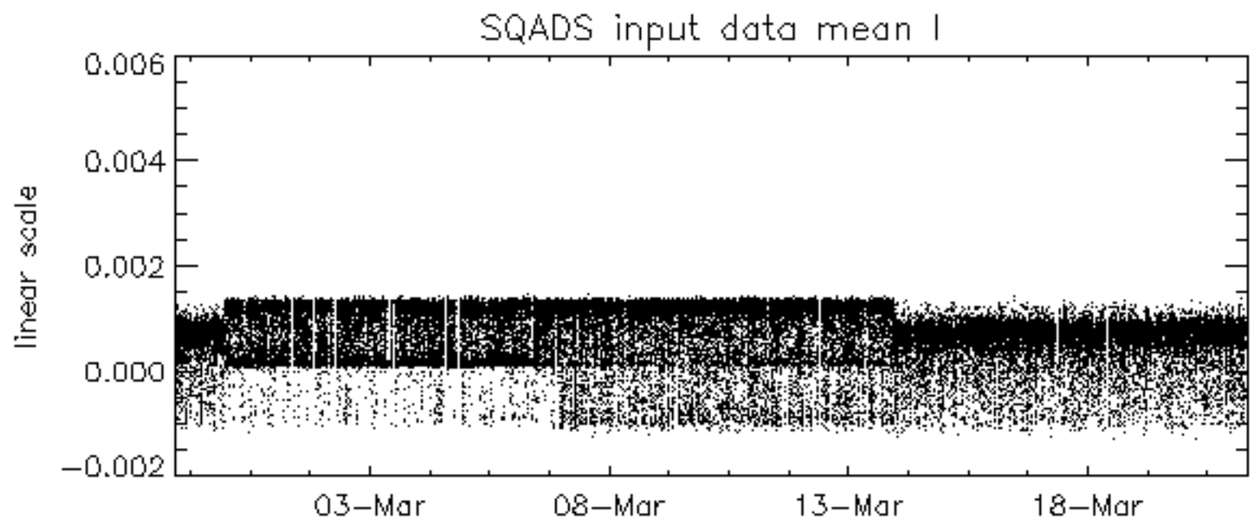
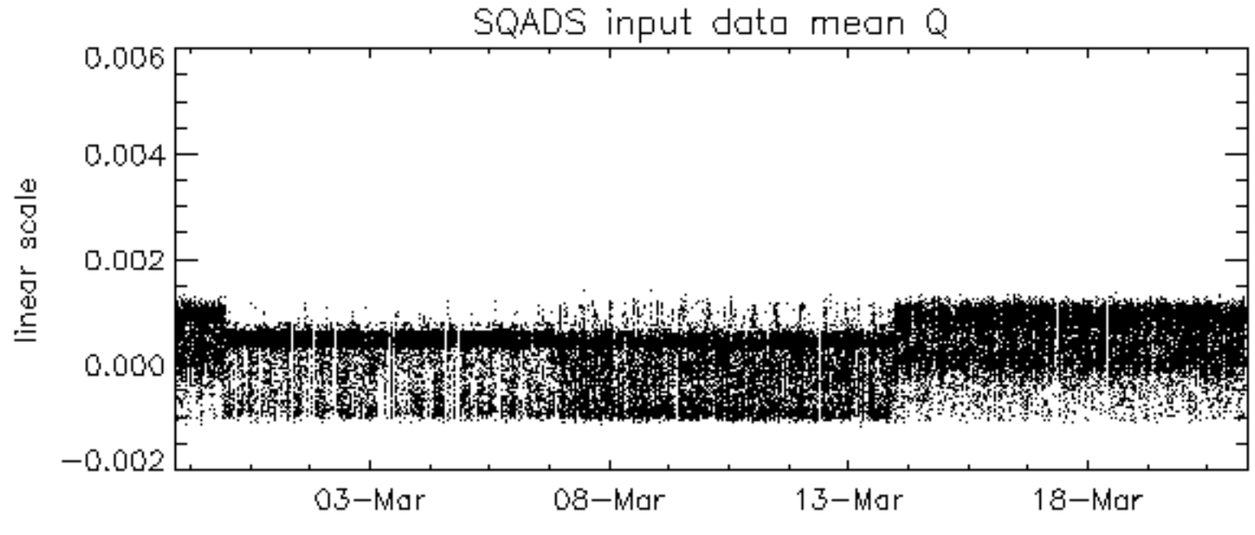
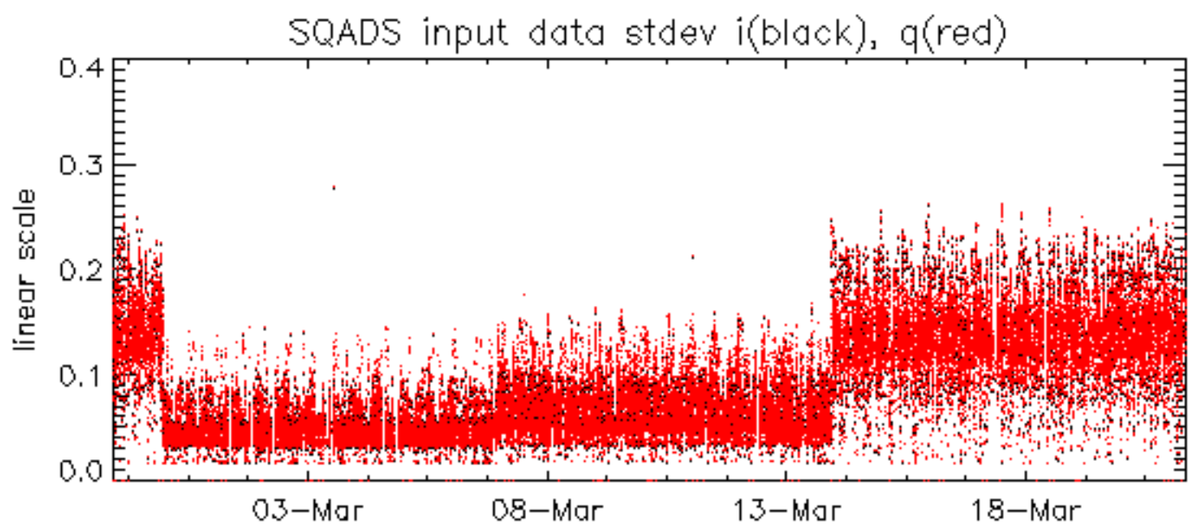
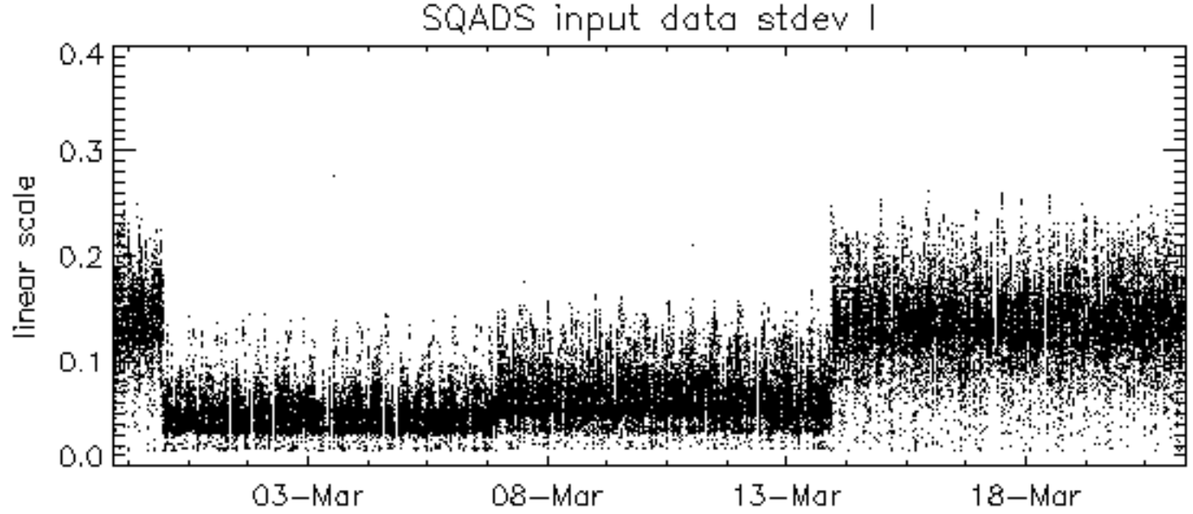

I/Q Gain Imbalance
0.30
0.25
0.20
0.15
0.10
0.05
0.00
stdev Q
0.00 0.05 0.10 0.15 0.20 0.25 0.30
stdev I

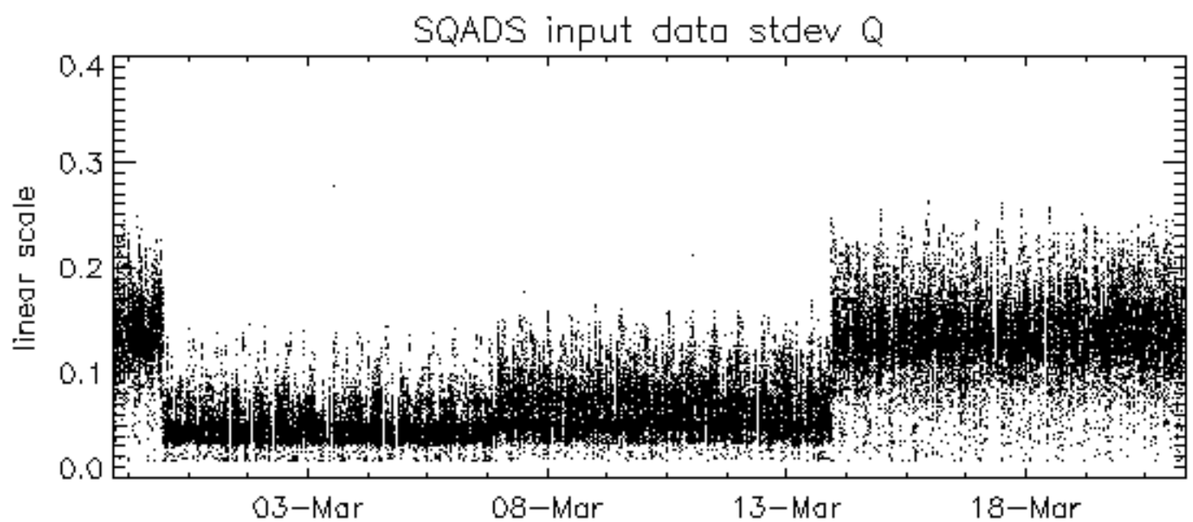

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar

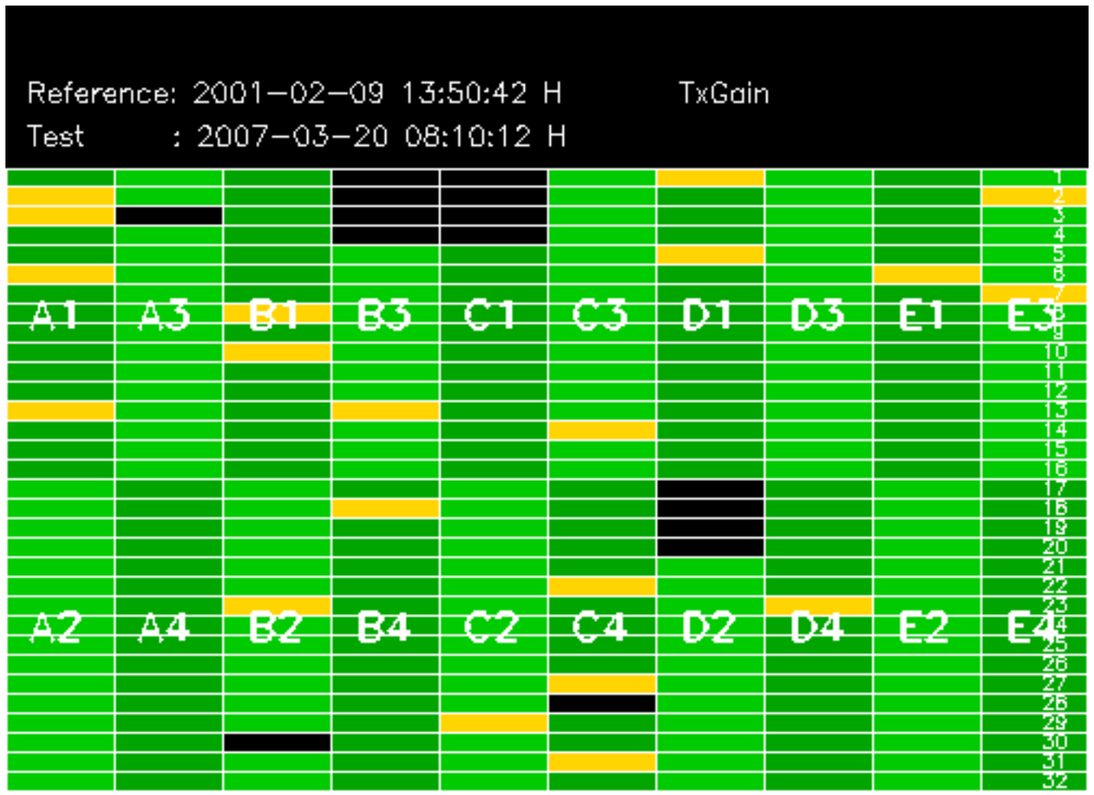

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
03−Mar
08−Mar
13−Mar
18−Mar


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
03-Mar
08-Mar
13-Mar
18-Mar


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
03-Mar
08-Mar
13-Mar
18-Mar


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
03-Mar
08-Mar
13-Mar
18-Mar


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-20 08:10:12 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
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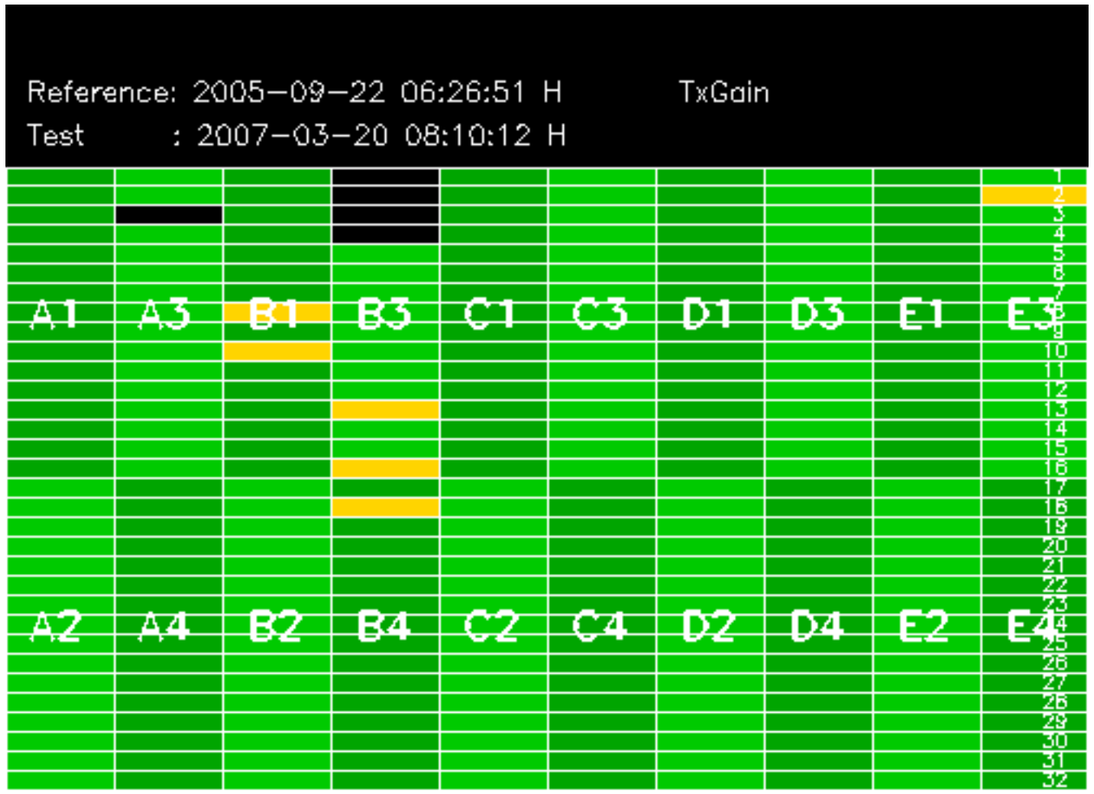
Reference: 2005-09-22 06:26:51 H
Test : 2007-03-20 08:10:12 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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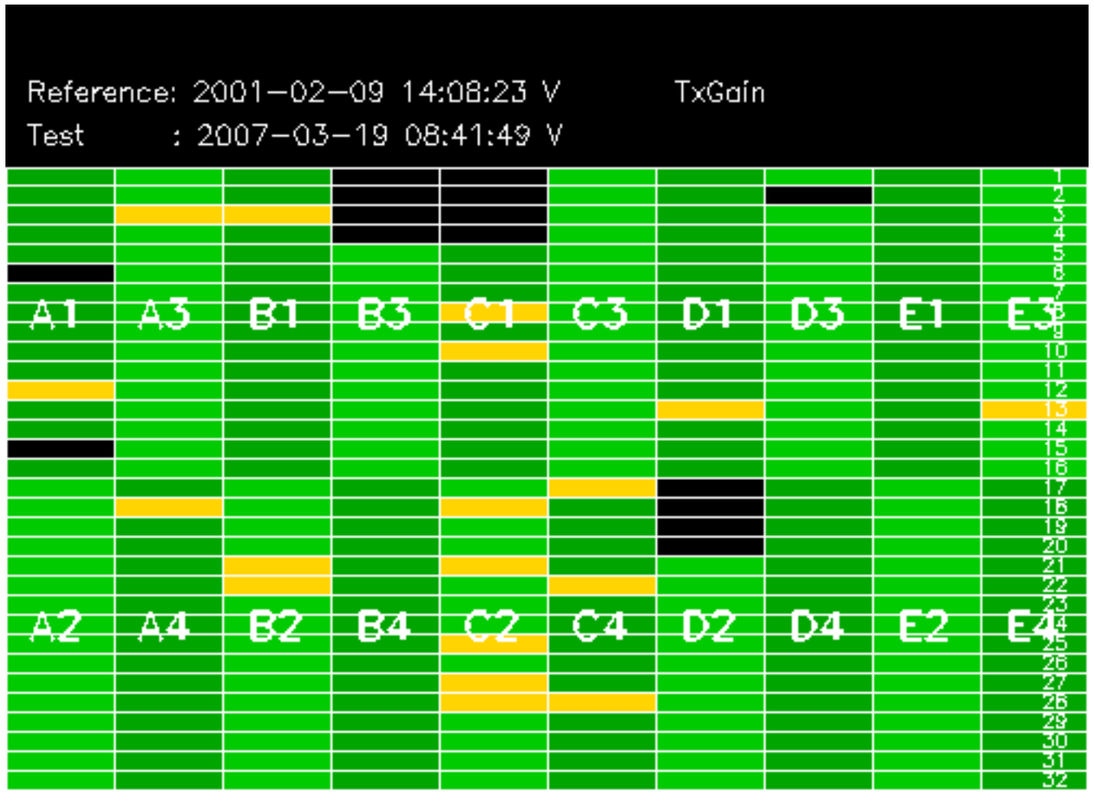
Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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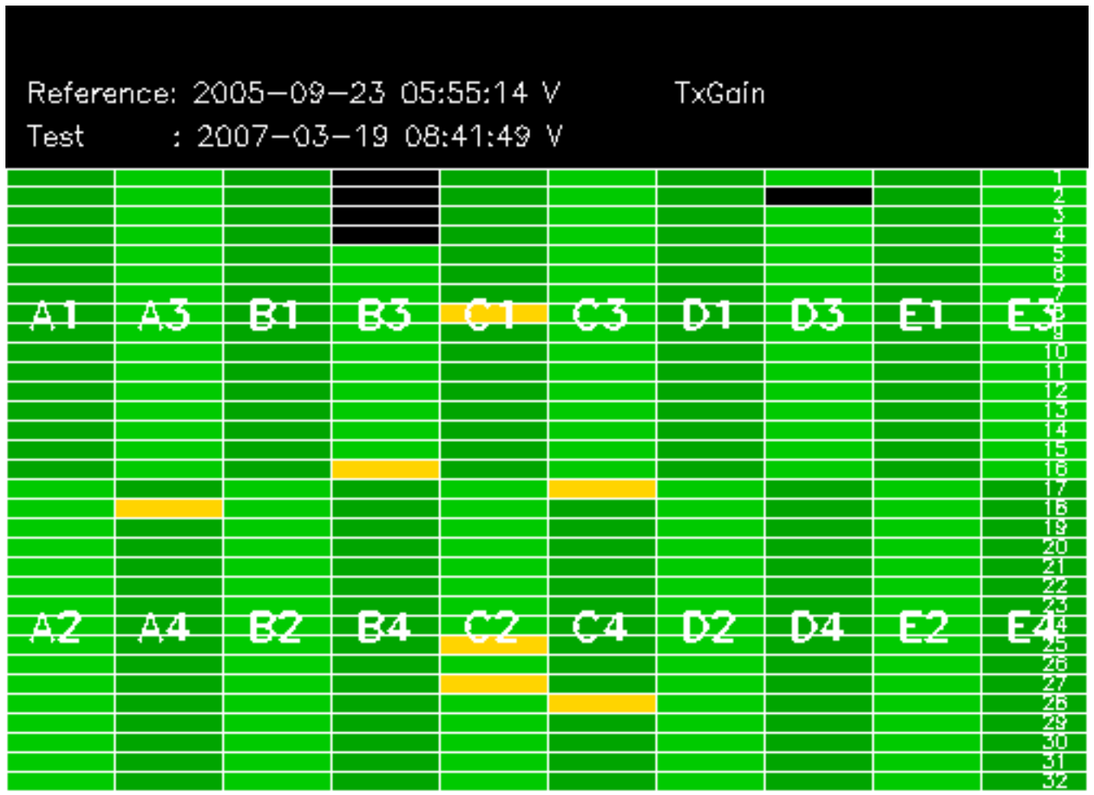
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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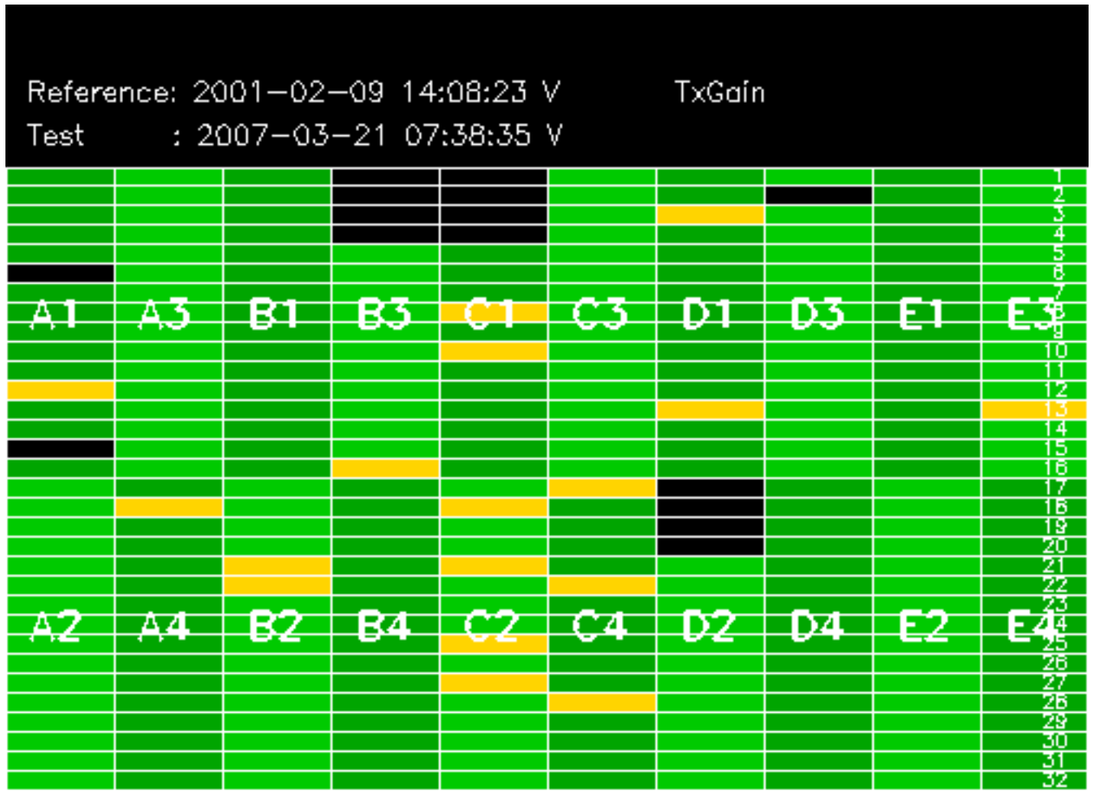
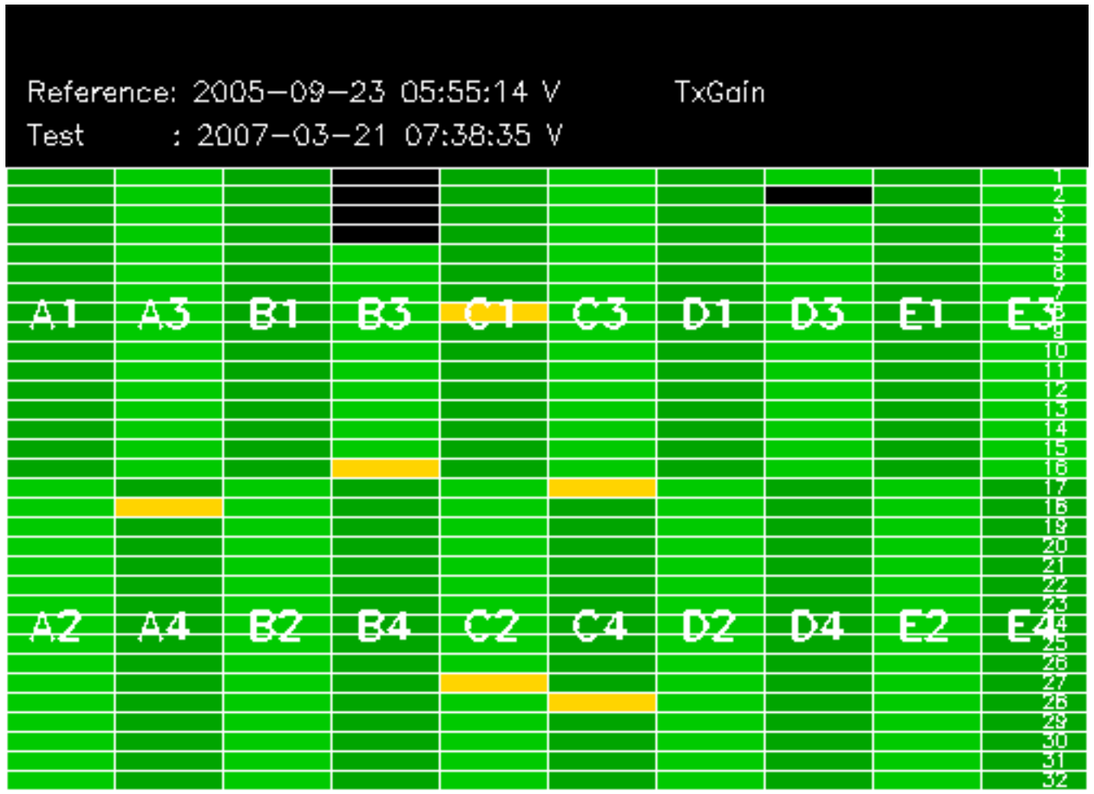

Reference: 2001-02-09 14:08:23 V
Test : 2007-03-21 07:38:35 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-21 07:38:35 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
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D4
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Summary of analysis for the last 3 days 2007032[901]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th> num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20070320_114001_000002562056_00309_26415_9412.N1 </td> <td>1 </td> <td>52 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20070320_131732_000000812056_00310_26416_7792.N1 </td> <td>0 </td> <td>5 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20070320_135505_000000602056_00311_26417_7788.N1 </td> <td>0 </td> <td>24 </td></tr>
<tr> <td>ASA_IMM_1PNPDK20070320_135505_000000792056_00311_26417_7798.N1 </td> <td>0 </td> <td>24 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070320_010734_000000852056_00303_26409_8706.N1 </td> <td>0 </td> <td>32 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20070321_003657_000001402056_00317_26423_0187.N1 </td> <td>0 </td> <td>31 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070320_123133_000003062056_00310_26416_7660.N1 </td> <td>0 </td> <td>17 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070320_135308_000000852056_00311_26417_7800.N1 </td> <td>0 </td> <td>21 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070321_102446_000003002056_00323_26429_8662.N1 </td> <td>0 </td> <td>2 </td></tr>
<tr> <td>ASA_WSM_1PNPDK20070321_124220_000001332056_00324_26430_8919.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_APM_1PNPDE20070320_021347_000000402056_00304_26410_8728.N1 </td> <td>14 </td> <td>0 </td></tr>
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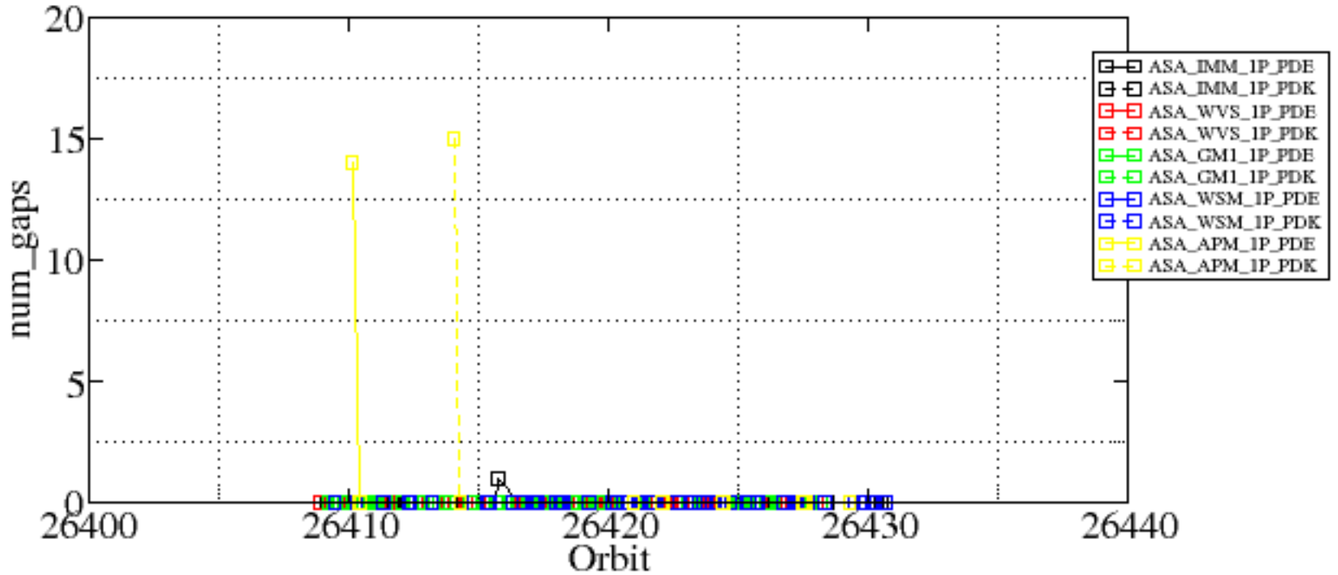
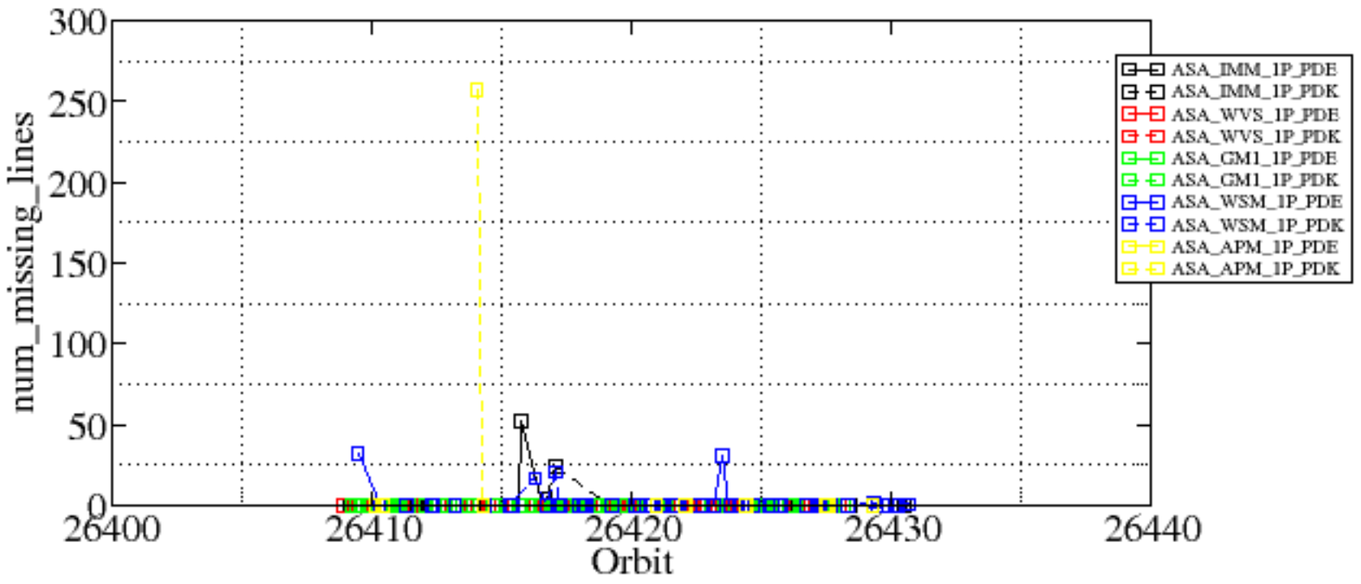
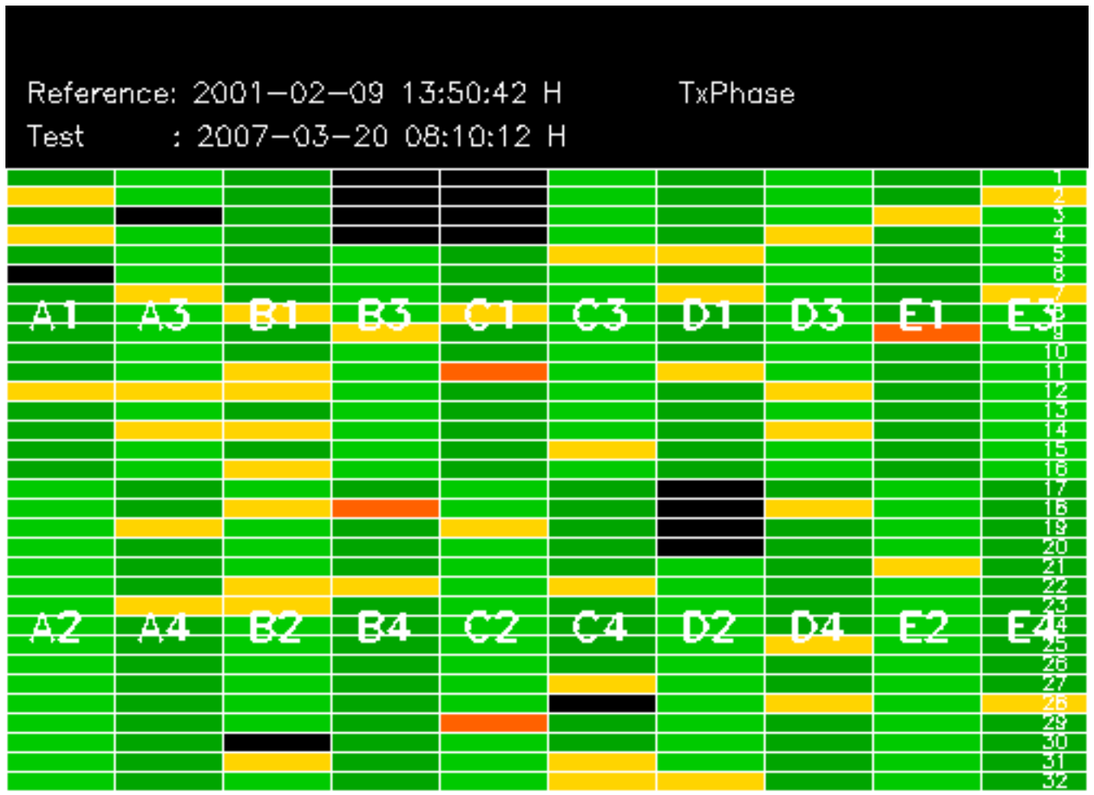
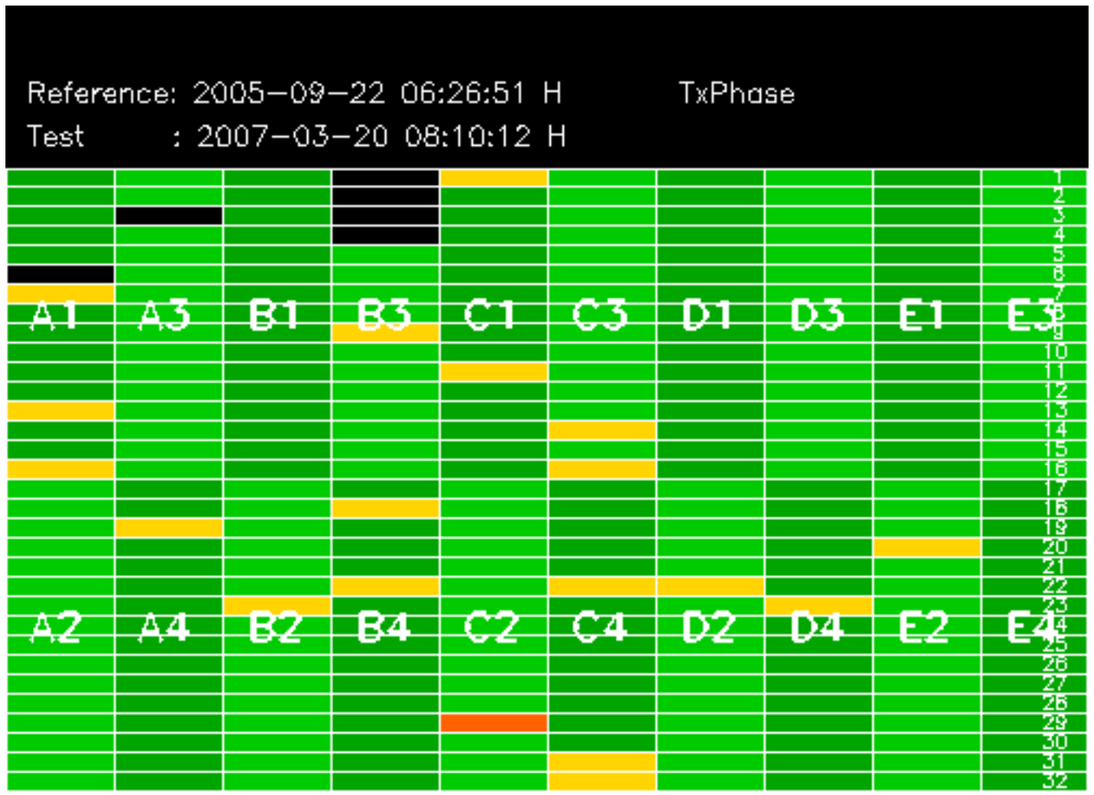
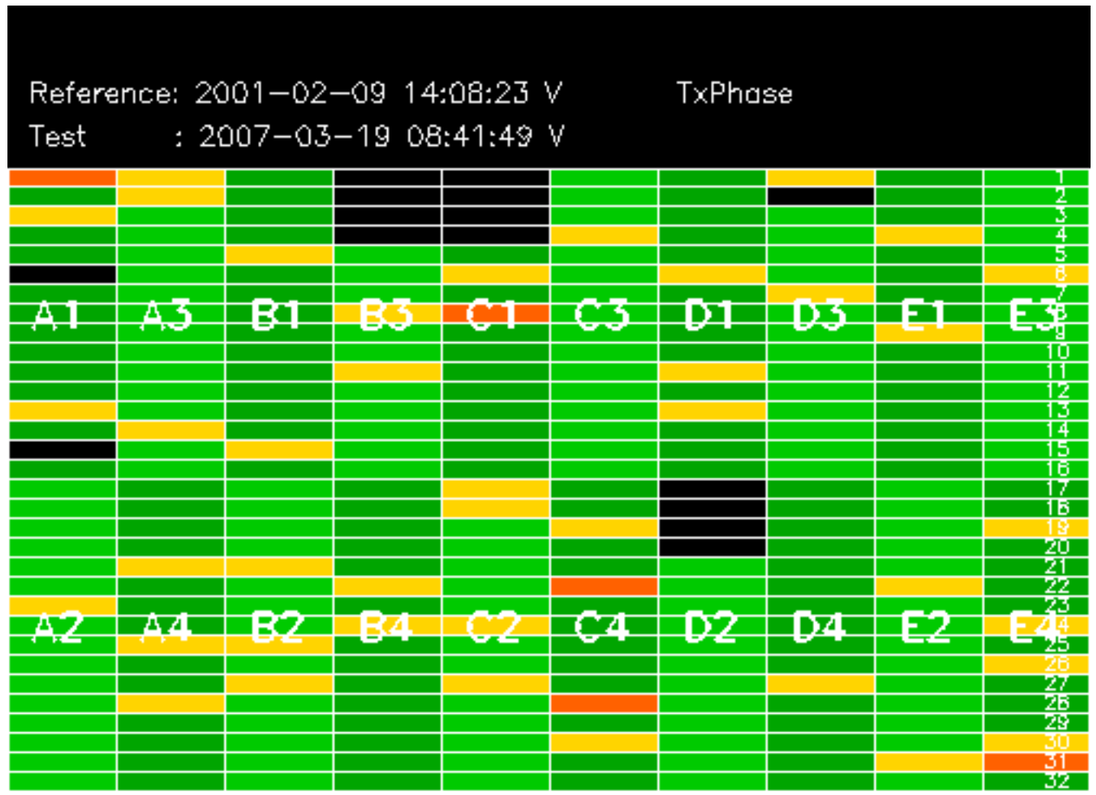

num_gaps
20
15
10
5
0
26400
26410
26420
26430
26440
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
300
250
200
150
100
50
0
26400
26410
26420
26430
26440
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
Test : 2007-03-20 08:10:12 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2005-09-22 06:26:51 H
TxPhase
Test : 2007-03-20 08:10:12 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-19 08:41:49 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
7
8
9
10
11
12
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14
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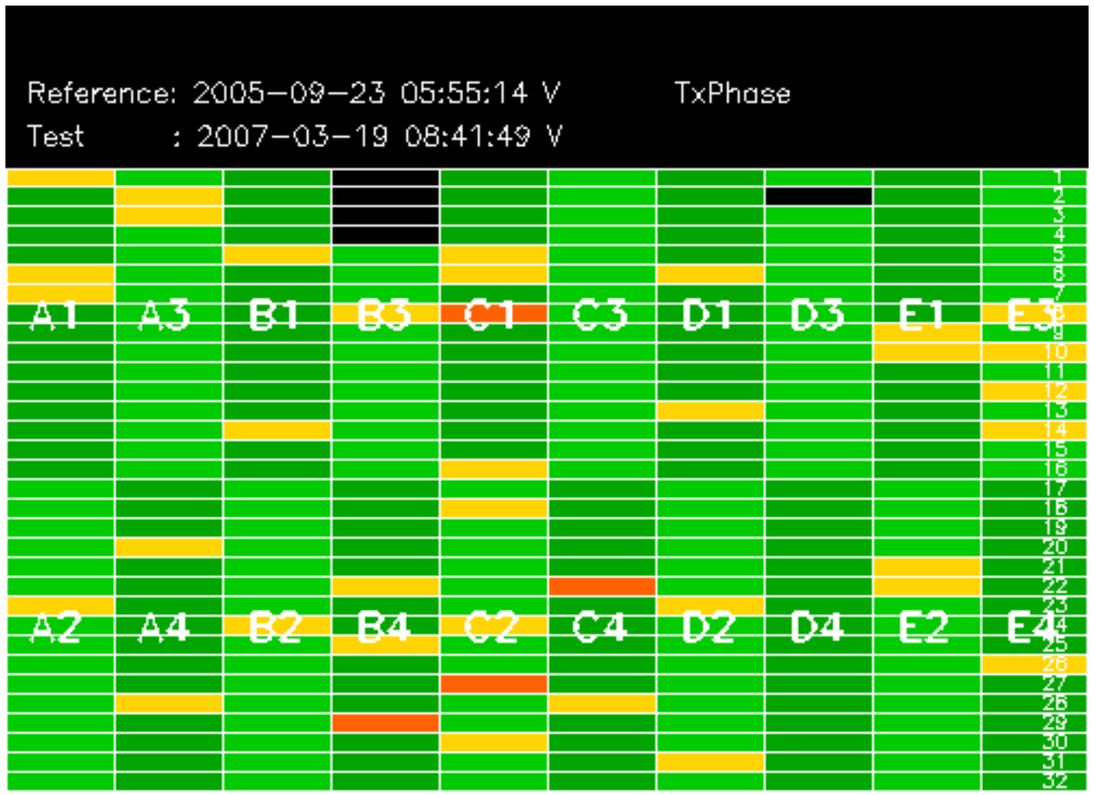
31
32


Reference: 2005-09-23 05:55:14 V
Test : 2007-03-19 08:41:49 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
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8
9
10
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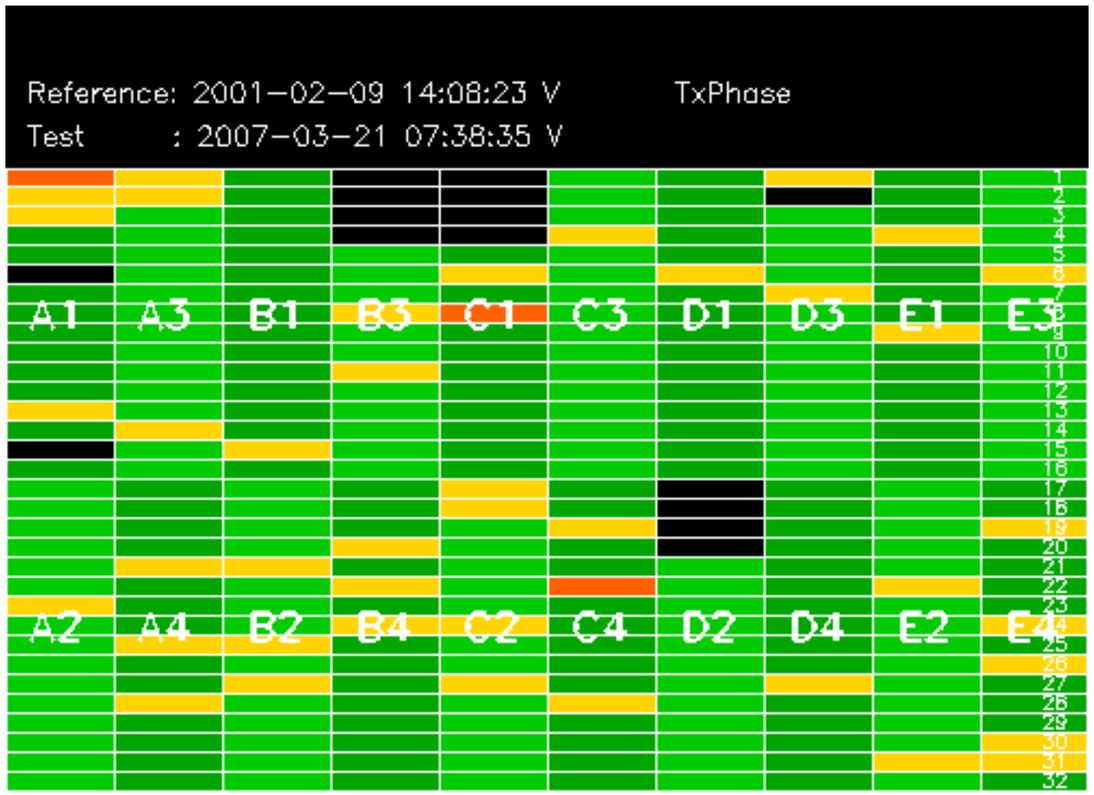
32


Reference: 2001-02-09 14:08:23 V
Test : 2007-03-21 07:38:35 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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8
9
10
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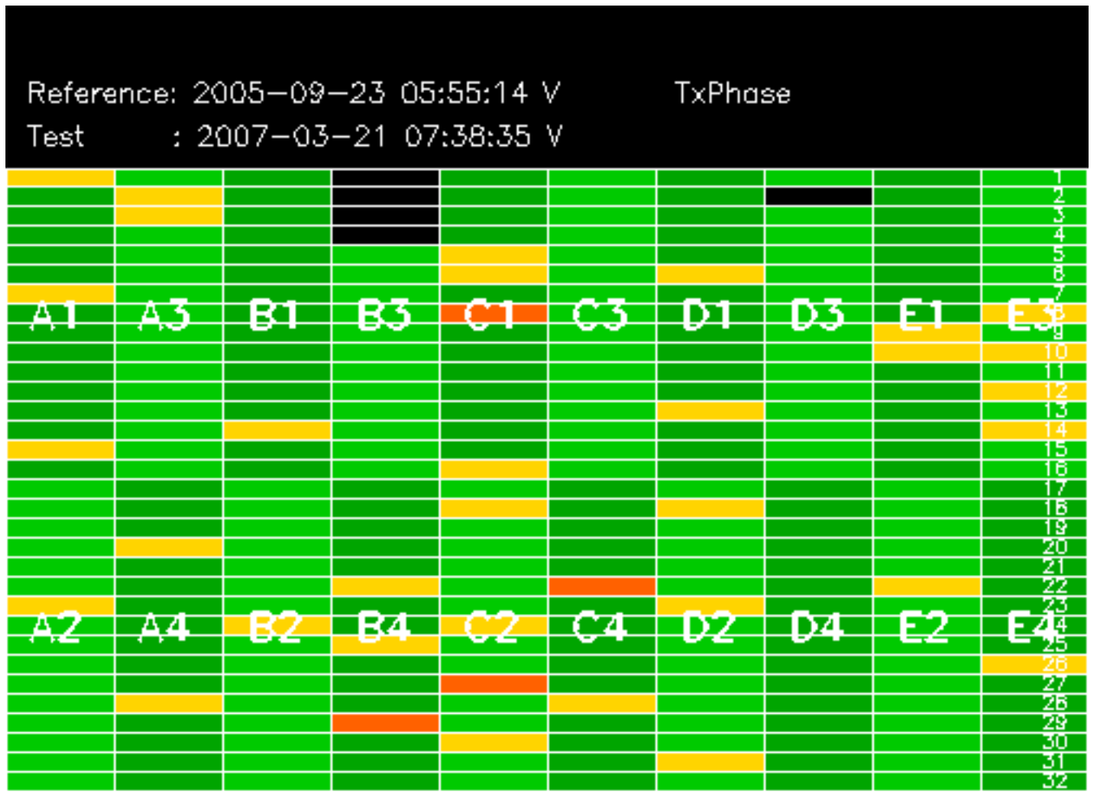
Reference: 2005-09-23 05:55:14 V
Test : 2007-03-21 07:38:35 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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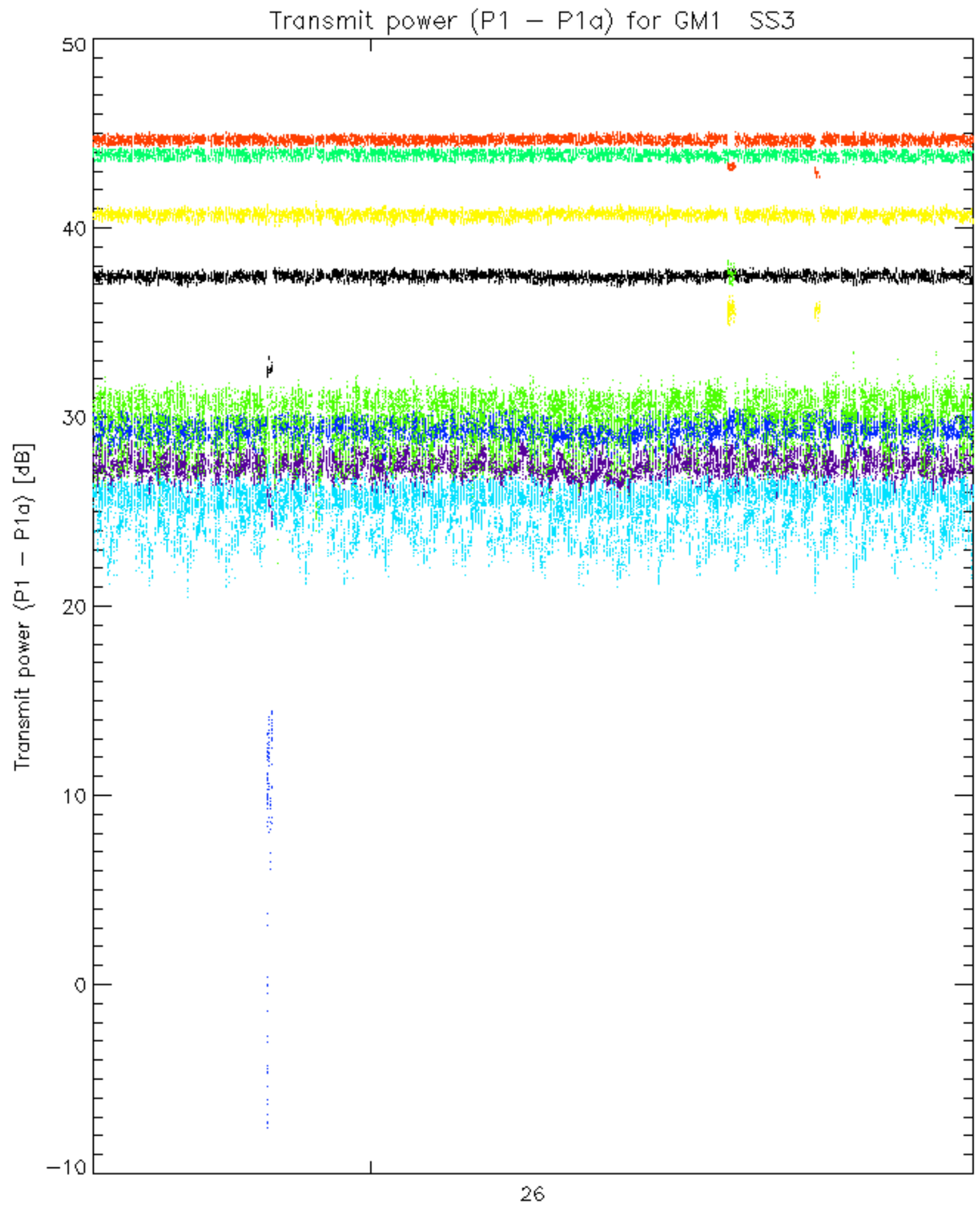
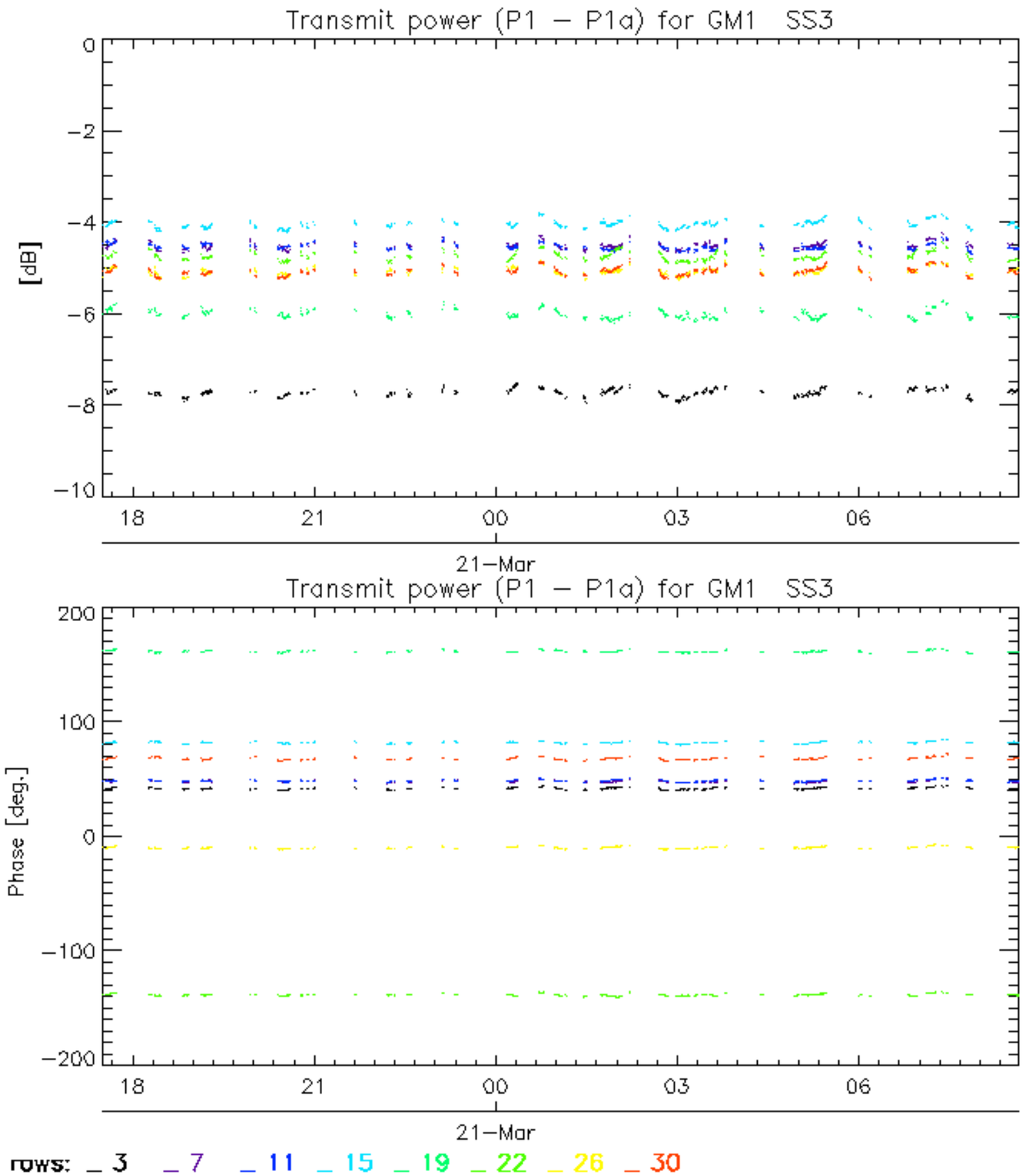
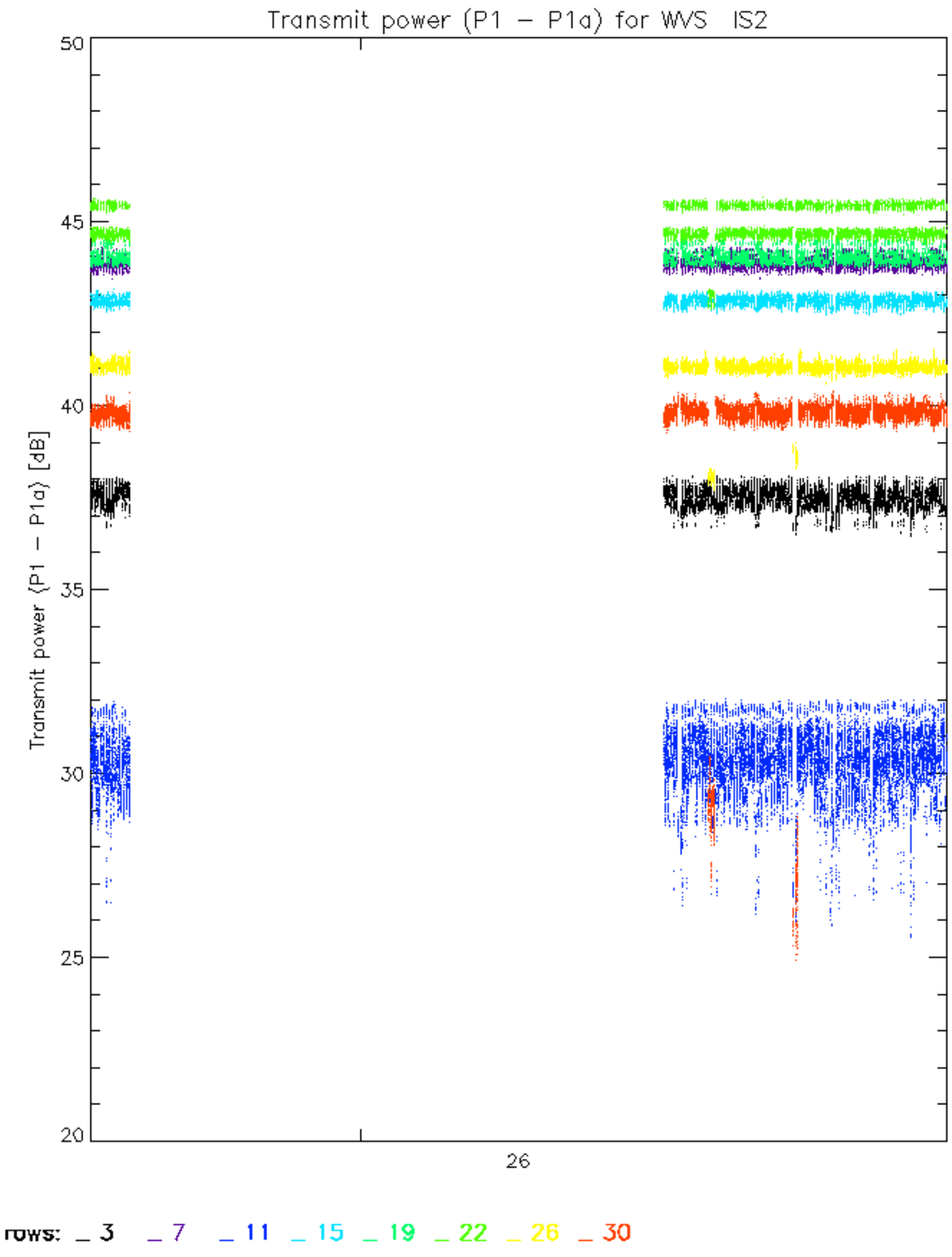
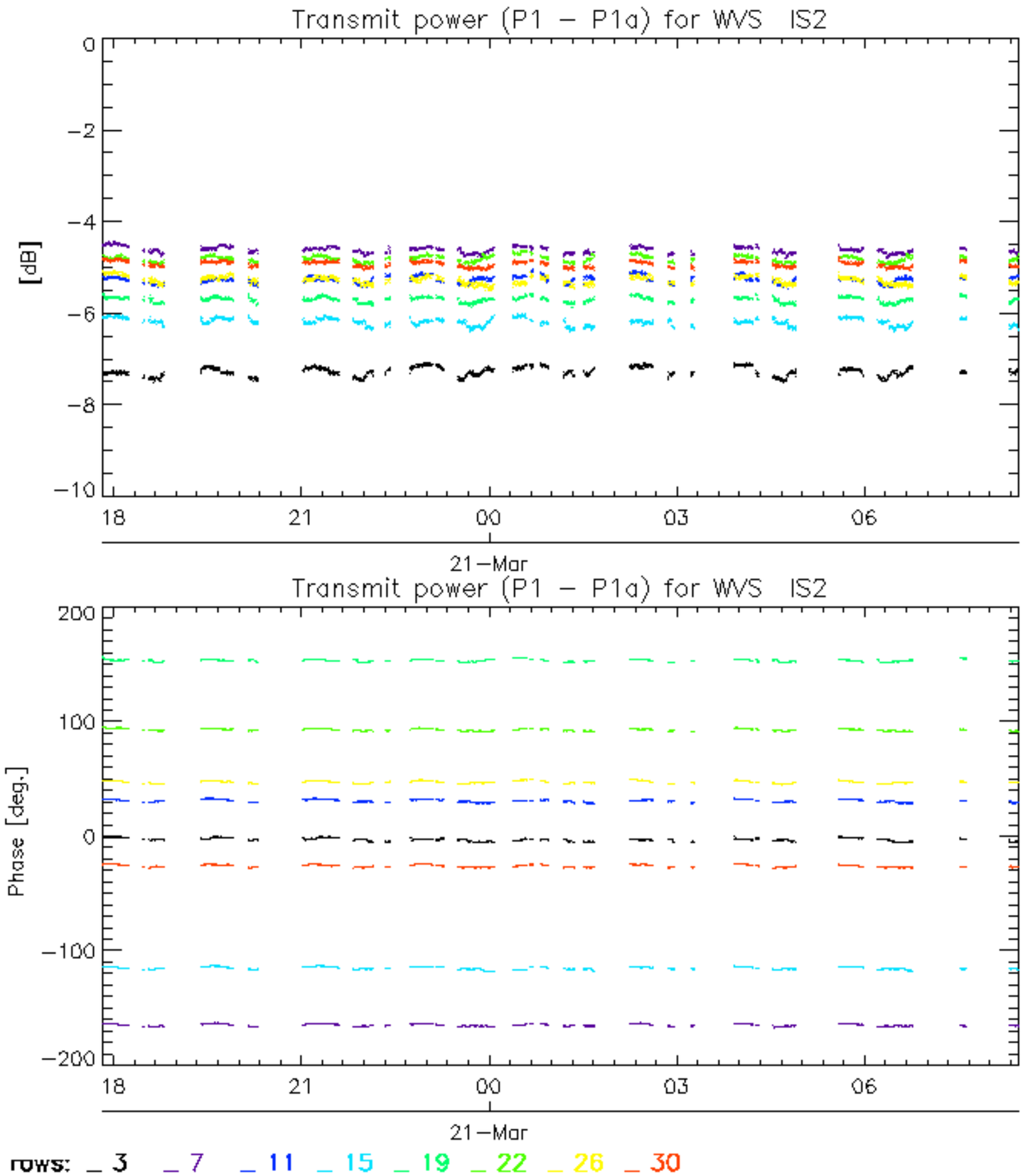

Transmit power (P1 – P1a) for GM1 SS3
Transmit power (P1 – P1a) [dB]
50
40
30
20
10
0
−10
26
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
21–Mar
Transmit power (P1 – P1a) for GM1 SS3
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
21–Mar
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
Transmit power (P1 – P1a) [dB]
50
45
40
35
30
25
20
26
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
0
−2
−4
−6
−8
−10
[dB]
18
21
00
03
06
21–Mar
Transmit power (P1 – P1a) for WVS IS2
200
100
0
−100
−200
Phase [deg.]
18
21
00
03
06
21–Mar
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.